FRONTEND 2011

HTML5
DESIGN

Christopher Schmitt | http://twitter.com/**@teleject**

THINGS ARE GOOD
BETWEEN US, XHTML,
RIGHT?

I MEAN. WE GET ALONG WELL.
AND WE BOTH LIKE STUFF.

http://dev.opera.com/articles/view/mama-markup-validation-report/

PAIN
100%

100% Natural

NET WT. 3.75 OZ. (107G)   HOT SAUCE

"THE ATTEMPT TO GET THE WORLD TO SWITCH TO XML, INCLUDING QUOTES AROUND ATTRIBUTE VALUES AND SLASHES IN EMPTY TAGS AND NAMESPACES ALL AT ONCE DIDN'T WORK."
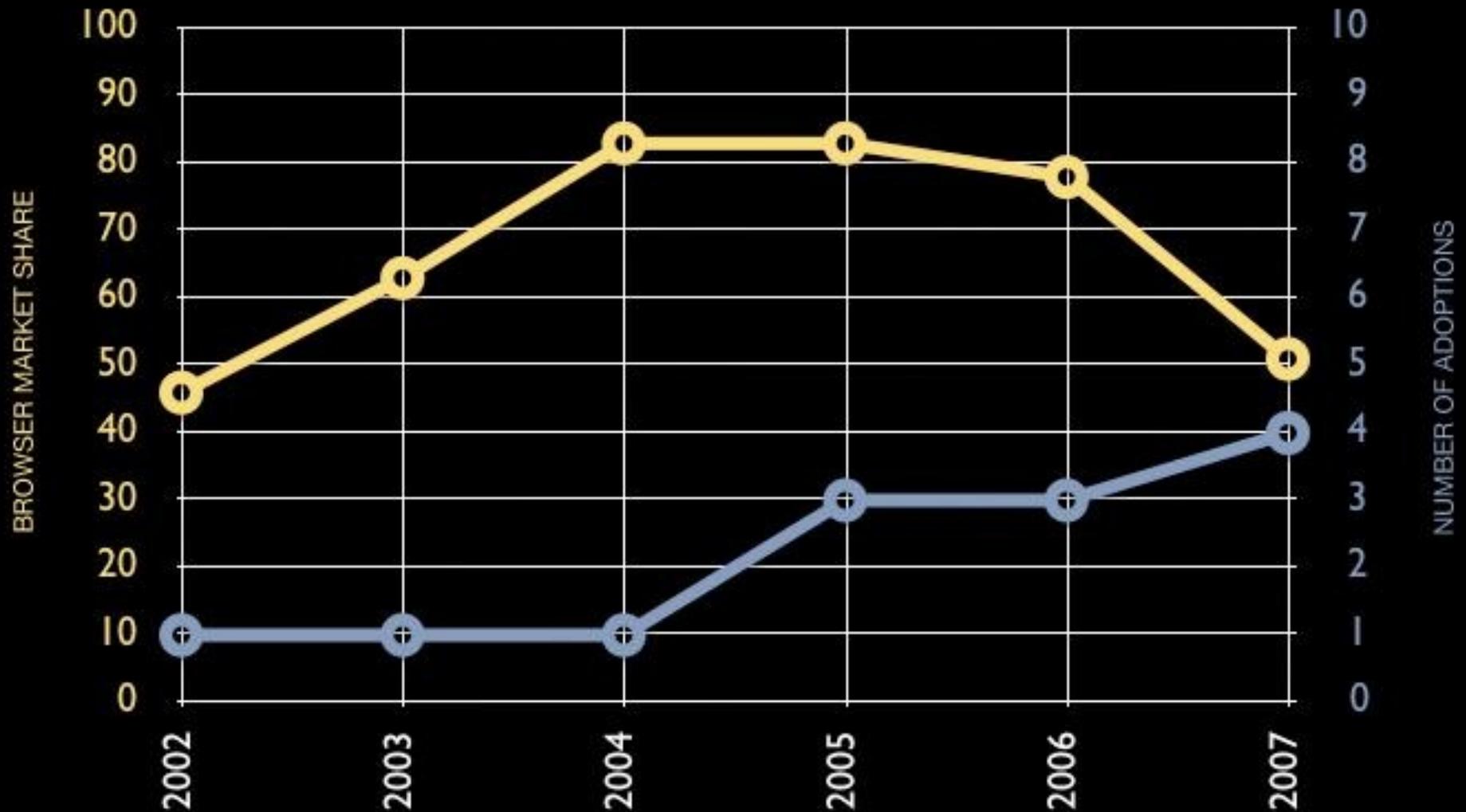
SIR TIM BERNERS-LEE

http://www.bbc.co.uk/blogs/radiolabs/2008/06/removing_microformats_from_bbc.: | Q▾ Google

BBC Home

Search | Explore the BBC

radiolabs

PREVIOUS | MAIN | NEXT

Removing Microform
bbc.co.uk/programm

👤 Michael Smethurst | 📅 23 Jun 0

Since /programmes first went live
data was accessible to people and
at the application design stage. Sim
to HTML pages as a lightweight API.
microformat to add start times, end

Unfortunately there have been a number of concerns over hCalendar's use of the
abbreviation design pattern. This uses the HTML abbreviation element to add
machine data to pages. Our concerns were:

- the effect on blind users using screen readers with abbreviation expansion
  turned on where abbreviations designed for machines would be read out
- the effect on partially sighted users using screen readers where tool tips of
  abbreviations designed for machines would be read out
- the effect of incomprehensible tooltips on users with cognitive disabilities
- the potential fencing off of abbreviations to domains that need them (travel
  - airport codes, finance - ticker symbols etc)

Until these issues are resolved the BBC semantic markup standards have been
updated to prevent the use of non-human-readable text in abbreviations. ~~As I
type the revised standard has not been published. I'll update this post with a link
when that happens.~~ Updated standard is here. For this reason we've taken the

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Callout box:

- the effect on blind users using screen readers with abbreviation expansion
  turned on where abbreviations designed for machines would be read out
- the effect on partially sighted users using screen readers where tool tips of
  abbreviations designed for machines would be read out
- the effect of incomprehensible tooltips on users with cognitive disabilities
- the potential fencing off of abbreviations to domains that need them (travel
  - airport codes, finance - ticker symbols etc)

Sidebar:

:: About the BBC Radio Labs blog

BBC Radio Labs is from BBC Audio &
Music Interactive. This is where we

					1	2	3
4	5	6	7	8	9	10
11	**12**	13	**14**	15	**16**	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

RECENT ENTRIES

:: Better audio for BBC Radio online

:: How we make websites

:: Visual Radio - Phase 1 Final
   Thoughts

:: Visualising Radio - delivering video
   and audio

:: How visual radio works

RECENT COMMENTS

:: tristanf on We're Playing Your

web 2.0

http://www.youtube.com/watch?v=EwTZ2xpQwpA | Google

YouTube – "Chocolate Rain...

You Tube Broadcast Yourself ™
Worldwide | English

(1) | **teleject** ▾ | Account | QuickList (0) | Help | Sign Out

Home   Videos   Channels   Community   Search   Upload ▾

"Chocolate Rain" Original Song by Tay Zonday

0:07 / 4:52

Add Tay on FACEBOOK!
TAYZONDAY.COM

TayZonday
April 22, 2007
(more info)

Subscribe

GET RINGTONE!!: http://tinyurl.com/5nz634 REMIX
ALBUM!! http://www.playtay.com/ SHIRTS!!
http://www.tayshirt.net SHIRTS!! FREE MP3! Right-
click and SAVE! http://www.tayzonday.net/Ta... This
MP3...

This is a video response to "Explode" Original Song by Tay Zonday

Rate: ★★★★☆ 186,878 ratings

Views: 34,889,853

URL http://www.youtube.com/watch?v=EwTZ2xp

Embed <object width="425" height="344"><param

🔗 **Share**   💜 **Favorite**   🗐 **Playlists**   🏳 **Flag**

✉ Send Video   MySpace   Facebook   more share options

▼ **More From:** TayZonday

"Remembering You" Original
Song By Tay Zonday
285,300 views

▶ **Also Watching Now** (1)

Active Sharing **Off** (Change)

BLUEPRINTS **VS** REALITY

"TAKE CARE OF THE LUXURIES AND THE NECESSITIES WILL TAKE CARE OF THEMSELVES."

FRANK LLOYD WRIGHT

AGENDA ITEMS

- What's different from XHTML to HTML5

- Building with HTML5 (You are here.)

- Video

- Audio

- GeoLocation

- Prizes! http://interactwithwebstandards.com/

BUILDING
WITH HTML**5**

DOCTYPE

HTML 4.01 Transitional DTD:
**<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/1999/REC-html401-19991224/loose.dtd">**

XHTML 1.0 Transitional DTD:
**<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">**

```
<!DOCTYPE html>
<html lang="en">
 <head>
  <meta charset="utf-8">
  <title>AUSTIN, TX BBQ RESTAURANTS</title>
 </head>
 <body>
  <h1>....</h1>
  <p>...</p>
  </body>
</html>
```

EXERCISE

- Go to HTML validator at
  http://validator.w3.org/#validate_by_input

- Then type the following HTML (below) and hit validate:

```
<!DOCTYPE html>
<title>Small HTML5</title>
<p>Hello world</p>
```

http://validator.w3.org/check

Q▾ Google

[Valid] Markup Validation of uplo...

W3C® Markup Validation Service

Check the markup (HTML, XHTML, ...) of Web documents

Jump To: Notes and Potential Issues   Congratulations · Icons

This document was successfully checked as HTML5!

Result: Passed, **3 warning(s)**

Source :

```
<!DOCTYPE html>
<title>Small HTML5</title>
<p>Hello world</p>
```

Encoding : utf-8   (detect automatically)

Doctype : HTML5   (detect automatically)

Root Element: html

The W3C validators are hosted on server technology donated by HP, and supported by community donations.
Donate and help us build better tools for a better web.

Options

☐ Show Source   ☐ Show Outline   ◉ List Messages Sequentially ○ Group Error Messages by Type

☐ Validate error pages ☐ Verbose Output   ☐ Clean up Markup with HTML Tidy

20

http://validator.w3.org/check

Q▾ Google

[Valid] Markup Validation ...

W3C® Markup Validation Service

Check the markup (HTML, XHTML, ...) of Web documents

Jump To:　　Potential Issues　　　Congratulations · Icons

This document was successfully checked as HTML5!

Result:　Passed, 1 warning(s)

🔷 **Using experimental feature: *HTML5 Conformance Checker.***

The validator checked your document with an experimental feature: *HTML5 Conformance Checker*. This feature has been made available for your convenience, but be aware that it may be unreliable, or not perfectly up to date with the latest development of some cutting-edge technologies. If you find any issue with this feature, please report them. Thank you.

tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor

Encoding :	utf-8	(detect automatically)
Doctype :	HTML5	(detect automatically)
Root Element:	html	

Options

☐ Show Source　　　　☐ Show Outline　　　　⦿ List Messages Sequentially ◯ Group Error Messages by Type

☐ Validate error pages　　☐ Verbose Output　　　☐ Clean up Markup with HTML Tidy

Help on the options is available.

Revalidate

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SYNTAX

`<img src=`"`file.png`"` />`

<IMG SRC=file.png />

<iMg SrC=file.png />

<IMG SRC=file.png />

<video controls="controls">

PAGE **STRUCTURE**

DIV ID="header"

DIV ID="nav"

DIV ID="section"

DIV ID="article"

DIV ID="sidecolumn"

DIV ID="footer"

ARTICLE **VS** ASIDE **VS** SECTION

- Molly Holzschlag, Opera standards evangelist, says:

  - \<section\> clarifies \<div\>

  - \<article\> 'replaces' \<div id="content"\>

  - \<aside\> 'replaces' \<div id="sidebar"\>

- Chris Mills, Opera browser employee, plays it safe:
  http://boblet.tumblr.com/post/130610820/html5-structure1

WHAT ABOUT THE **DIV**S?

- Marc Grabanski, jQuery and HTML5 guy:

  - "div has no meaning whatsoever, so there is nothing semantic about divs"

- Bruce Lawson, Opera browser employee:

  - "Like all semantic questions, it depends on the context. If your only reason for wanting an element is to group stuff for styling, it's a div."

```
<body>
 <header>
  <h1>Heading </h1>
 </header>
 <nav>
  <h3>Site Navigation</h3>
  <ul>...</ul>
 </nav>
 <section>
   <article>
   <h3>Weblog Entry</h3>
   </article>
 </section>
 <aside>
   <p>You are reading "Chocolate Rain", an entry posted on <time
datetime="2009-03-05">5 March, 2009</time>, to the <a href="#">Misty
collection</a>. See other posts in <a href="#">this collection</a>.</p>
 </aside>
 <footer>
  <p>...</p>
 </footer>
</body>
```

Heading

Site Navigation

- Main
- Products
- Services
- Contact
- About

Weblog Entry

Chocolate Rain

March 5, 2009

Epsum factorial non deposit quid pro quo hic escorol. Olypian quarrels et gorilla congolium sic ad nauseum. Souvlaki ignitus carborundum e pluribus unum. Defacto lingo est igpay atinlay. Marquee selectus non provisio incongruous feline nolo contendre. Gratuitous octopus niacin, sodium glutimate. Quote meon an estimate et non interruptus stadium. Sic tempus fugit esperanto hiccup estrogen. Glorious baklava ex librus hup hey ad infinitum.

Non sequitur condominium facile et geranium incognito. Epsum factorial non deposit quid pro quo hic escorol. Marquee selectus non provisio incongruous feline nolo contendre Olypian quarrels et gorilla congolium sic ad nauseum. Souvlaki ignitus carborundum e pluribus unum.

About This Entry

You are reading "Chocolate Rain", an entry posted on 5th of March, 2009, to the Misty collection. See other posts in this collection.

Copyright © Christopher Schmitt. Go back to top

Heading

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About This Entry

```
<script type="text/javascript">
document.createElement('header');
document.createElement('nav');
document.createElement('section');
document.createElement('article');
document.createElement('aside');
document.createElement('footer');
</script>
```

http://ejohn.org/blog/html5-shiv/

Heading

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- Main
- Products
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Weblog Entry

Chocolate Rain

March 5, 2009

Epsum factorial non deposit quid pro quo hic escorol. Olypian quarrels et gorilla congolium sic ad nauseum. Souvlaki ignitus carborundum e pluribus unum. Defacto lingo est igpay atinlay. Marquee selectus non provisio incongruous feline nolo contendre. Gratuitous octopus niacin, sodium glutimate. Quote meon an estimate et non interruptus stadium. Sic tempus fugit esperanto hiccup estrogen. Glorious baklava ex librus hup hey ad infinitum.

Non sequitur condominium facile et geranium incognito. Epsum factorial non deposit quid pro quo hic escorol. Marquee selectus non provisio incongruous feline nolo contendre Olypian quarrels et gorilla congolium sic ad nauseum. Souvlaki ignitus carborundum e pluribus unum.

About This Entry

PROGRESSIVELY **ENHANCED HTML5** (**INFUSED** WITH SHIM)

Modernizr
FRONT-END DEVELOPMENT DONE RIGHT

"An indispensable tool."

— Bruce Bowman, , *Adobe BrowserLab Product Manager*

Modernizr is an open-source JavaScript library that helps you build the next generation of HTML5 and CSS3-powered websites.

Why use Modernizr?

Taking advantage of the new capabilities of HTML5 and CSS3 can mean sacrificing control over the experience in older browsers. Modernizr 2 is your starting point for making the best websites and applications that work exactly right no matter what browser or device your visitors use.

Thanks to the new Media Query tests and built-in YepNope.js micro-library as `Modernizr.load()`, you can now combine feature detection with media queries and conditional resource loading. That gives you the power and flexibility to optimize for every circumstance.

Check out the full list of features that Modernizr detects, or learn more about conditional resource loading with Modernizr.

Download Modernizr 2

Use the commented, uncompressed Development version to develop with and learn from.

Then, dive into the Production build tool and pick just the tests you need!

View documentation

DEVELOPMENT
Uncompressed, 42 Kb

PRODUCTION
Configure Your Build

Follow us on Twitter

Contribute on github

Subscribe with RSS

Donate to Modernizr

Get started with Modernizr

While Modernizr gives you finer control over the experience through JavaScript-driven feature detection, it is important to continue to use best practices throughout your development process. Use progressive enhancement wherever you can, and don't sacrifice accessibility for convenience or performance.

- Documentation: Getting started
- Taking Advantage of HTML5 and CSS3 with Modernizr, *Faruk Ateş*
- How to use Modernizr, *Inayaili de León*
- [wiki] The Undetectables: features that cannot be detected
- [wiki] Cross-browser Polyfills

Also check out our Resources section.

Tip: use haz.io to quickly test your current browser's features.
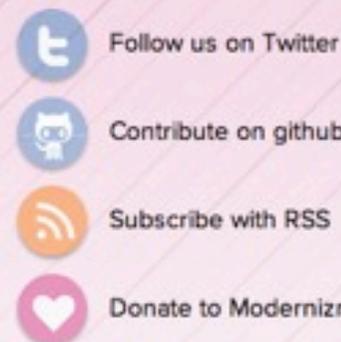
Latest news

September 1st, 2011
Modernizr and CDNs
A quick guide on when to use whi version of Modernizr: developmen CDN and production.

PREVIOUS

June 1st, 2011
Modernizr 2

May 12th, 2011
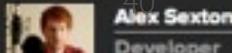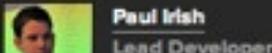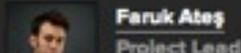**Modernizr 1.7 changelog**

January 17th, 2011
Modernizr 2 Beta

USED BY **twitter** Google *Microsoft*

http://modernizr.com/

HTML 5

CREATED BY

Faruk Ateş
Project Lead

Paul Irish
Lead Developer

Alex Sexton
Developer

Modernizr is the right micro-library to get you up and runni

```
<script src="-/js/modernizr.min.js" type="text/
javascript" ></script>
```

<html lang="en" **class=" canvas canvastext geolocation rgba hsla multiplebgs borderimage borderradius boxshadow opacity cssanimations csscolumns cssgradients cssreflections csstransforms csstransforms3d csstransitions video audio localstorage sessionstorage webworkers applicationcache fontface**">

content { ... }

.geolocation content { ... }

```
<script src="modernizr.js"></script>

...

<script>
    if (!Modernizr.input.autofocus){
        $("#fieldname").focus();
    }
</script>
```

*CLOSER***LOOK** *AT* **HTML**5 **ELEMENTS**

HTML5 AUDIO

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>Basic HTML5 Web Document Structure</title>
    </head>
    <body>
<h1>Video Example</h1>
<audio src="html5test.ogg" autoplay controls>
    <a href="html5test.ogg">Download audio</a>
</audio>
    </body>
</html>
```
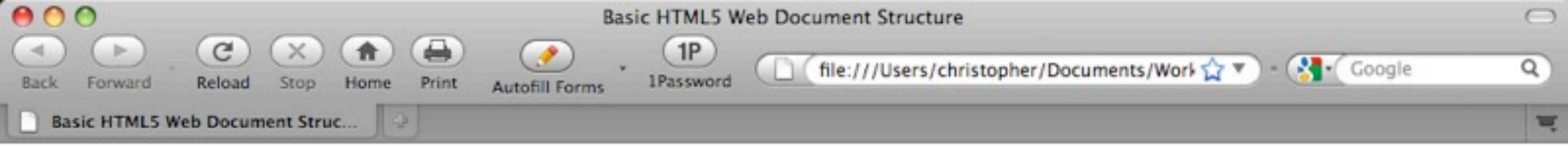
DEMO

HTML5 AUDIO

- AUDIO element attributes are SRC, AUTOBUFFER, AUTOPLAY, LOOP, CONTROLS

- If you don't have CONTROL, player becomes transparent

HTML5 AUDIO SUPPORT

	FF3.5+	S4+	Ch3+	Op10.5+	IE9
Ogg Vorbis	Y		Y	Y	
MP3		Y	Y		Y
WAV	Y	Y		Y	

SUPPORTING AUDIO

```
<audio controls autobuffer>
  <source src="html5audio.mp3" />
  <source src="html5audio.ogg" />
  <!-- include Adobe Flash player EMBED and OBJECT code here -->
</audio>
```

HTML5 VIDEO

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>Basic HTML5 Web Document Structure</title>
    </head>
    <body>
<h1>Video Example</h1>
<object width="425" height="344"><param name="movie"
value="http://www.youtube.com/v/4GuKSqAg5xI&hl=en&fs=1"></
param><param name="allowFullScreen" value="true"></
param><param name="allowscriptaccess" value="always"></
param><embed src="http://www.youtube.com/v/
4GuKSqAg5xI&hl=en&fs=1" type="application/x-shockwave-flash"
allowscriptaccess="always" allowfullscreen="true" width="425"
height="344"></embed></object>
    </body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>Basic HTML5 Web Document Structure</title>
    </head>
    <body>
<h1>Video Example</h1>
<video src="html5test.ogg"
    width="320" height="240" controls
    poster="html5testvideoposter.jpg">
    <a href="html5testvideo.ogg">Download movie</a>
</video>
    </body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>Basic HTML5 Web Document Structure</title>
    </head>
    <body>
<h1>Video Example</h1>
<video src="html5test.ogg"
    width="320" height="240" controls
    poster="html5testvideoposter.jpg">
    <a href="html5testvideo.ogg">Download movie</a>
</video>
    </body>
</html>
```

DEMO

HTML5 VIDEO

- WIDTH and HEIGHT should be required, IMO, but movie plays anyway based on the values in the video file itself.

- Video formats may have their own posterframe. The browser should use that by default unless overridden by valid POSTER attribute value.

- Text can be included within VIDEO element to allow user to download video if their browser doesn't support.

- If you want to give users control, use CONTROL attribute.

HTML5 VIDEO

- Video can start automatically if using the AUTOPLAY="1" attribute and value.

- Spec provides for LOOP, AUTOBUFFER which also take a value of O or 1.

- Codecs support...

HTML5 VIDEO

"It would be helpful for interoperability if all browsers could support the same codecs. However, there are no known codecs that satisfy all the current players: we need a codec that is known to not require per-unit or per-distributor licensing, that is compatible with the open source development model, that is of sufficient quality as to be usable, and that is not an additional submarine patent risk for large companies. This is an ongoing issue and this section will be updated once more information is available."
- http://www.whatwg.org/specs/web-apps/current-work/#video-and-audio-codecs-for-video-elements

CODECS

- Ogg (or "Vorbis")

  - No need to worry about patents

- H.264

  - Created by the MPEG group

  - If you have blu-ray disc player, you are using it

- WebM

  - A wrapper for the VP8 video and Ogg audio streams

VIDEO CODEC SUPPORT

	FF3.6+	S	Ch5+	Op10.6+	IE9
Ogg	Y		Y	Y	
H.264		Y	Y*		Y
WebM	(W4.02+)		(Ch6+)	Y	

http://firefogg.org/

VideoLAN   overview   *download*   features   screenshots   streaming   skins

VLC media player

The cross-platform open-source multimedia framework, player and server

VLC media player is a highly portable **multimedia player** and **multimedia framework** capable of reading most audio and video formats (MPEG-2, MPEG-4, H.264, DivX, MPEG-1, mp3, ogg, aac ...) as well as **DVDs**, **Audio CDs VCDs**, and various **streaming** protocols. See the full features list.
It can also be used as a **media converter** or a server to stream in unicast or **multicast** in IPv4 or **IPv6** on networks.

If you like VLC, please rate it on the Freshmeat, versiontracker or AlternativeTo entries!

Download VLC

Binaries

Select your operating system to download VLC binaries:

⇩ **Windows**   ⇩ **Syllable**
⇩ **Mac OS X**

GNU/Linux

⇩ Debian GNU/Linux
⇩ Ubuntu
⇩ Mandriva Linux   ⇩ ALT Linux
⇩ Fedora   ⇩ Arch Linux

VLC 1.0 downloads: **162,141,091**

4.7 downloads per second

Features

re information about what features are s
erating system, please see the full featu
n also have a look at some VLC screensh

Documentation

See the documentation page.

http://www.videolan.org/vlc/

http://handbrake.fr/

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LESSONS LEARNED

- Use VLC or Firefogg to encode common movie files types to OGG

- H.264 encoding? Use Handbrake

- If you are hot to trot for HTML5 Video, like, right now, check out Mark Pilgrim's tutorial:
http://diveintohtml5.org/video.html

  - Good primer:
http://dev.opera.com/articles/view/introduction-html5-video/

Back | Forward | Reload | Stop | Home | Print | 1Password

YouTube – Broadcast Yourself.

http://www.youtube.com/html5

ube html:

You Tube
Broadcast Yourself ™

Search

Create Account or **Sign In**

Home   Videos   Channels   Shows

Subscriptions   **History**   **Upload**

YouTube HTML5 Video Player

This is an opt-in experiment for HTML5 support on YouTube. If you are using a supported browser, you can choose to use the HTML5 player instead of the Flash player for most videos. Your comments will help us improve and perfect the mixtures we're working on. So jump in, play around, and send your feedback directly to the brains behind the scenes.

Supported Browsers

Right now we support browsers that support both the video tag in HTML5 and the h.264 video codec. These include:

- Google Chrome
- Apple Safari (version 4+)
- Microsoft Internet Explorer with Google Chrome Frame installed (Get Google Chrome Frame)

Updates!

- 1/27/2010: Fullscreen support enabled (if supported by browser).

Additional Restrictions (we are working on these!)

- Videos with ads are not supported (they will play in the Flash player)
- Fullscreen is not supported
- If you've opted in to other testtube experiments, you may not get the HTML5 player (Feather is supported, though)

You are not currently in the HTML5 beta.

Join the HTML5 Beta

Try YouTube in a fast, new web browser! **Download Google Chrome for Mac**

Search

| YouTube	Programs	Help	Policy	Discover
Contact Us		**Get Help**	Privacy Policy	YouTube on Your Phone
YouTube Store	Developers	YouTube Handbook	Terms of Service	YouTube on Your Site
Press Room	Partnerships	Community Help Forums	Copyright Notices	YouTube on Your TV
Business Blog	Content Management	Safety Center	Community Guidelines	YouTube RSS Feeds
YouTube Blog		Creator's Corner		TestTube
		Video Speed Info		

You Tube
Broadcast Yourself ™

Search

teleject ▼   Sign O

Home   Videos   Channels   Shows

Subscriptions   History   Upload

Drunk Canadian begs for Taser

HTML5

00:00 / 00:00
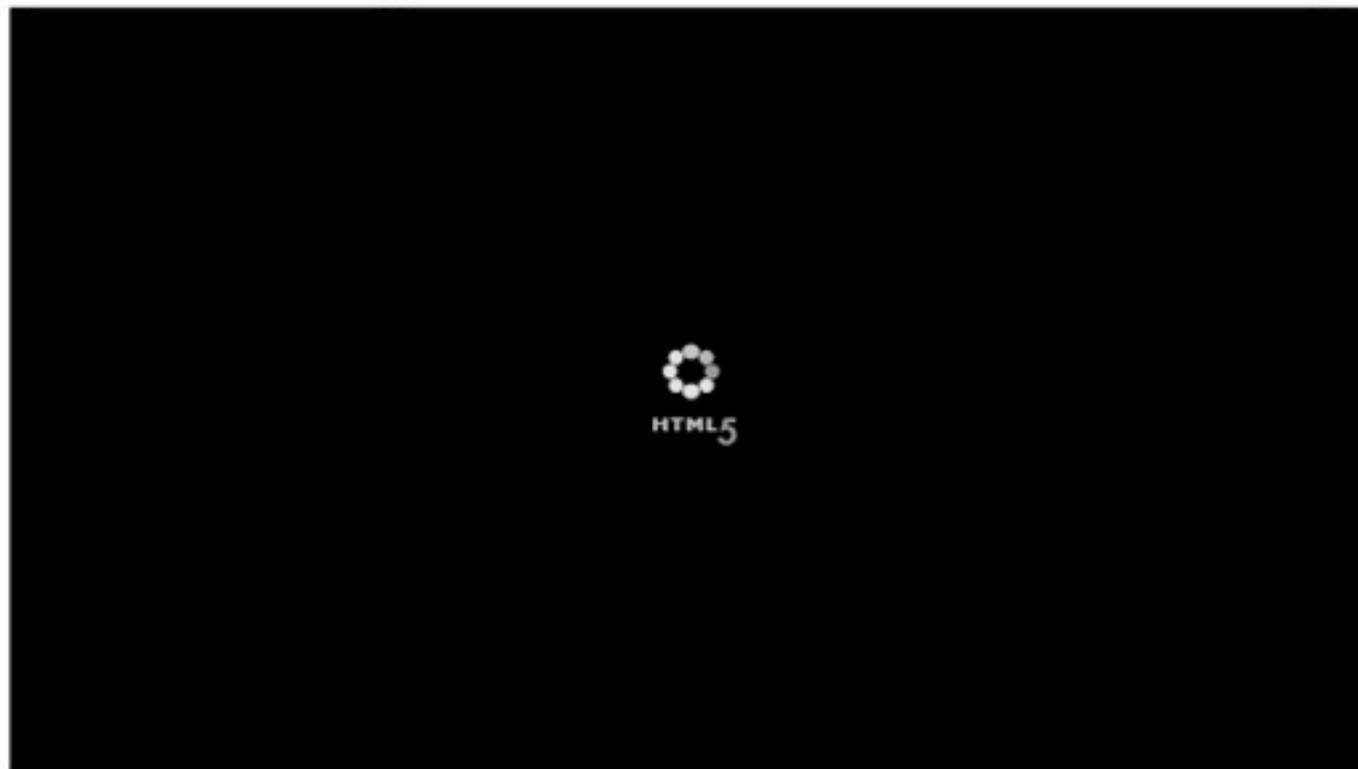
☆☆☆☆☆ 136 ratings

14,135 views

♥ Favorite   → Share   + Playlists   ⚑ Flag

Send Video   Twitter   Facebook   (more share options)

▶ Statistics & Data

▶ Video Responses (0)   Post a Video Response

▼ Text Comments (296) Options   Post a Text Comment

66

Dfanatic1 (2 seconds ago)   Reply | Spam   0 👎 👍

jimlan33
February 16, 2010
(more info)

Subscribe

Phoenix International Airport 2/15/10

URL http://www.youtube.com/watch?v=04QF9O

Embed <object width="425" height="344"><param ⚙

▶ More From: jimlan33

▼ Related Videos

Canada - Police State.wmv
213 views
captaindroy
2:01

Peter Drunk
153 views
maff827
1:20

Drunk Canadian at a
Carolina Panthers tailgate
1,333 views
bludden
0:49

Me Getting TASERED! : Life
Experiment
912 views
lifeexperiment
3:53

Tal Bachman - She's So High
1,700,701 views
TalBachmanVEVO
3:46
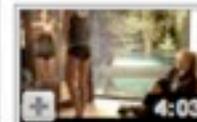
Bon Jovi - (You Want To)
Make A Memory
412,934 views
BonJoviVEVO
4:03

Three Days Grace - Home

```
<script>
function playPause() {
  var myVideo = document.getElementsByTagName('video')[0];
  if (myVideo.paused)
    myVideo.play();
  else
    myVideo.pause();
}
</script>
```

```
<input type=button onclick="playPause()" value="Play/Pause"
tabindex="0" />
```

HTML5 VIDEO & CAPTIONS

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WETA

LD Online

The world's leading website on learning disabilities and ADHD

Captioned Media: Literacy Support for Diverse Learners

By: National Center for Technology Innovation and Center for Implementing Technology in Education (2010)

Print | Email
Larger A A A
BOOKMARK

In a typical classroom, a teacher may find many students who are struggling readers, whether they are beginning readers, students with language-based learning disabilities, or students who are English language learners (ELLs). One motivating,

available on television programming, live newscasts, movies, and sporting events.[2] Additionally, web-based applications have made it increasingly easy for producers to caption online video, opening up more options for accessible media.

The increased availability of captioned media, whether on educational videos, popular movies, or live television broadcasts, allows teachers to begin incorporating more accessible media easily into their classrooms. As more teachers began using captions in their classroom, many found that captions could help support a wide variety of learners, beyond their deaf or hard of hearing students.

The use of captioned media is not limited to just teachers looking to differentiate classroom instruction. Presenting information in multiple ways and using motivating media can help address the diverse needs of learners in the

bestselling DVD
One Picked, Picked On Social Skills »
Order now >>
See more products >>

LD OnLine receives a generous grant from:
Lindamood-Bell Learning Processes

yellow pages

[Captioning] has been shown to improve reading skills among adults who are non-readers.

http://www.ldonline.org/article/35793

70

http://www.digital-web.com/articles/captions_flash_video/

DIGITAL WEB
MAGAZINE

The web professional's online magazine of choice.

(mt) mediatemple

home   contact   about   events

Captions for Video with Flash CS3

- articles by topic
- articles by date
- articles by author
- articles by title
- articles by type

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GO!

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iStockPhoto.com

In: Articles

By Tom Green
Published on June 4, 2007

Got something to say?

Share your comments on this topic with other web professionals

The hype that has sprung up around the release of Adobe's CS3 Studio products has virtually ignored the one feature that many people would instantly consider a critical reason for buying the Studio or the upgrade.

If you were to believe Adobe, this is the greatest software release of all time. Meanwhile, many consumers are excited about the new features in Dreamweaver CS3, Illustrator CS3, Photoshop CS3, Flash CS3, and Fireworks CS3. Having been involved in the testing process for the apps, I can be forgiven for my indifference to the chatter. When you use it, play with it, and crash it day in and day out, you become a bit jaded. At least I was until I dug into Flash for a book I was writing and discovered a feature that no one was talking about. (Don't believe me? As of this writing, it has yet to be mentioned by Adobe and was totally overlooked during the unveiling in March.) The feature: the captioning component in Flash Professional CS3

> The really great thing about this feature, from our perspective as designers and developers, is how simple it is to accomplish and manage. If the timing is out or a caption is wrong, you simply change a few words or numbers in the XML file.

DEMO

QUICK & **DIRTY CAPTIONING**

git http://github.com/johnmcc/jCaps

RSS

Q▾ Google

johnmcc's jCaps at master – GitHub

github
SOCIAL CODING

teleject   Dashboard   Inbox 0   Account Settings   Log Out

Explore GitHub   Gist   Blog   Help   Q▾ Search...

johnmcc / jCaps

👁 Unwatch   🍴 Fork   Download Source   👁 6   🍴 2

| Source | Commits | Network (2) | Issues (0) | Downloads (3) | Wiki (1) | Graphs | | Branch: master |

Switch Branches (1) ▾   Switch Tags (3) ▾   Branch List

A jQuery plugin that makes it easy to work with captions for HTML5 video. — Read more

Read-Only   HTTP Read-Only   git://github.com/johnmcc/jCaps.git   ☐ This URL has Read-Only access

Added callback function to be called when caption changes. Fixed scope of currentText so that new caption is only appended when it changes (bugfix)

commit 1c317704ccaca6c7fa258337f9c6a2f8fb79a2e6
tree   1e1ea4bd1bda8b95ee407150b613ef997b03eb33
parent eb04a9a02e9d2c6fdd89339a2ea0290f241a5456

John McCollum (author)
about 18 hours ago

jCaps /

name	age	message	history
README	March 29, 2010	Added support for .srt caption files [John McCollum]	
README~	March 29, 2010	Added support for .srt caption files [John McCollum]	
index.html	about 18 hours ago	Added callback function to be called when capti... [John McCollum]	
jquery.jcap.js	about 18 hours ago	Added callback function to be called when capti... [John McCollum]	
jquery.jcap.min.js			hn McCollum]
leverage-a-synergy.ogv			
speechbubble.gif	February 26, 2010	warning – broken at the moment! [John]	
styles.css	5 days ago	Refactored timeupdate function [John McCollum]	

http://github.com/johnmcc/jCaps

74

0:00:00.470,0:00:02.070
welcome to the US led senate

0:00:02.070,0:00:06.760
a day of practical advice on creating great
user experienced of the way

0:00:06.760,0:00:08.849
your house today are Christopher schmidt.

0:00:08.849,0:00:13.519
a veteran with designer who me my view is
the author of the CSS cookbook third edition

0:00:13.519,0:00:18.859
as partner in crime our styles who previously
helped organize stop by southwest

0:00:18.859,0:00:24.570
in fact it was at southwest southwest that
the dynamic duo first got the idea to organize

0:00:24.570,0:00:29.310
conferences that help people make better web
site they're more hospitable to humans

0:00:29.310,0:00:32.470
and those boren environments for humans

0:00:32.470,0:00:35.819
starting with this is his last summit in July
two thousand nine

0:00:35.819,0:00:41.550
they quickly expanded to cover topics ranging
from can go to a team of five and more

0:00:41.550,0:00:45.100
and I was delighted to learn that they were
inspired by head

76

SRT FILES

- SRT files are text files used in video playback; therefore, they do not contain any video data.

- Text file containing subtitles used by various video playback programs; supported by DivX, DVD, and other video formats;

  - Includes the time each subtitle should be displayed followed by the text of the subtitles.

  - Subtitle files are often named according to the language of the subtitles, i.e. "moviename**-eng.srt**" for English and "moviename**-ger.srt**" for German subtitles.

TRANSCRIPT-EN.SRT

1
00:00:00,000 --> 00:00:6,000
Allow me to introduce myself My name is Tay It's T-A-Y, T-A-Y to the Z

2
00:00:06,000 --> 00:00:9,000
This is the web and it's gonna murder your TV It was Chocolate Rain

3
00:00:09,500 --> 00:00:11,500
Wrote a song about that history Chocolate Rain

4
00:00:12,000 --> 00:00:15,000
Now I'm paid a hefty hefty fee Chocolate Rain

```
<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.4.1/jquery.js">
</script>
<script src="jquery.jcap.js"></script>
```

<video id="myVid" width="400" src="cherry-chocolate-rain.ogv" autobuffer controls>
<track src="transcript-en.srt" type="text/srt" language="en" role="textaudesc"></track>
<track src="transcript-gr.srt" type="text/srt" language="gr" role="textaudesc"></track>
<p>Alternative text...</p>
</video>

```
 <video id="myVid" width="400" src="cherry-chocolate-rain.ogv"
autobuffer controls>
  <track src="transcript-en.srt" type="text/srt"
language="en" role="textaudesc"></track>
  <track src="transcript-gr.srt" type="text/srt"
language="gr" role="textaudesc"></track>
  <p>Alternative text...</p>
</video>
```

HTML5 & GEOLOCATION

Starbucks, Cincinnati, OH – Googl...

Google maps

| Starbucks, Cincinnati, OH | Search Maps | Show search options |

Get Directions My Maps   «

Starbucks, near **Cincinnati, OH**

📄 **Starbucks® Coffee**   Sponsored Links
It's not just coffee, it's
Starbucks. Explore our coffees.
Starbucks.com

Ⓐ **Starbucks** 🔽 ☆ - more info »
2692 Madison Rd # K2, Cincinnati, OH -
(513) 631-3329
1 review

Ⓑ **Starbucks** 🔽 ☆ - more info »
202 W Mcmillan St, Cincinnati, OH - (513) 241-7015
3 reviews
"This location is my closest neighborhood **Starbucks.**
I've walked out of this ..."

Ⓒ **Starbucks** 🔽 ☆ - more info »
580 Walnut St # P170, Cincinnati, OH
- (513) 621-0567
1 review

Ⓓ **Starbucks** 🔽 ☆ - more info »
401 Vine St, Cincinnati, OH - (513) 929-0430
1 review

Ⓔ **Starbucks** 🔽 ☆ - more info »
201 E 4th St # B, Cincinnati, OH - (513) 241-4000
1 review

Ⓕ **Starbucks** 🔽 ☆ - more info »
3366 Erie Ave, Cincinnati, OH - (513) 533-3402
1 review

Ⓖ **Starbucks** 🔽 ☆ - more info »
3786 Paxton Ave # 1, Cincinnati, OH - (513) 321-3373
1 review

⊞ starbucks, cinci... | starbucks

Traffic More... Map **Satellite** Earth

Starbucks - local.com - Looking for **Starbucks** Info In **Cincinnati**? Find It Here! - Cincinnati, OH   Sponsored Link

1P ⓘ + 🐦 http://twitter.com/#

twitter🐦   Search   🔍   **Home**   Profile
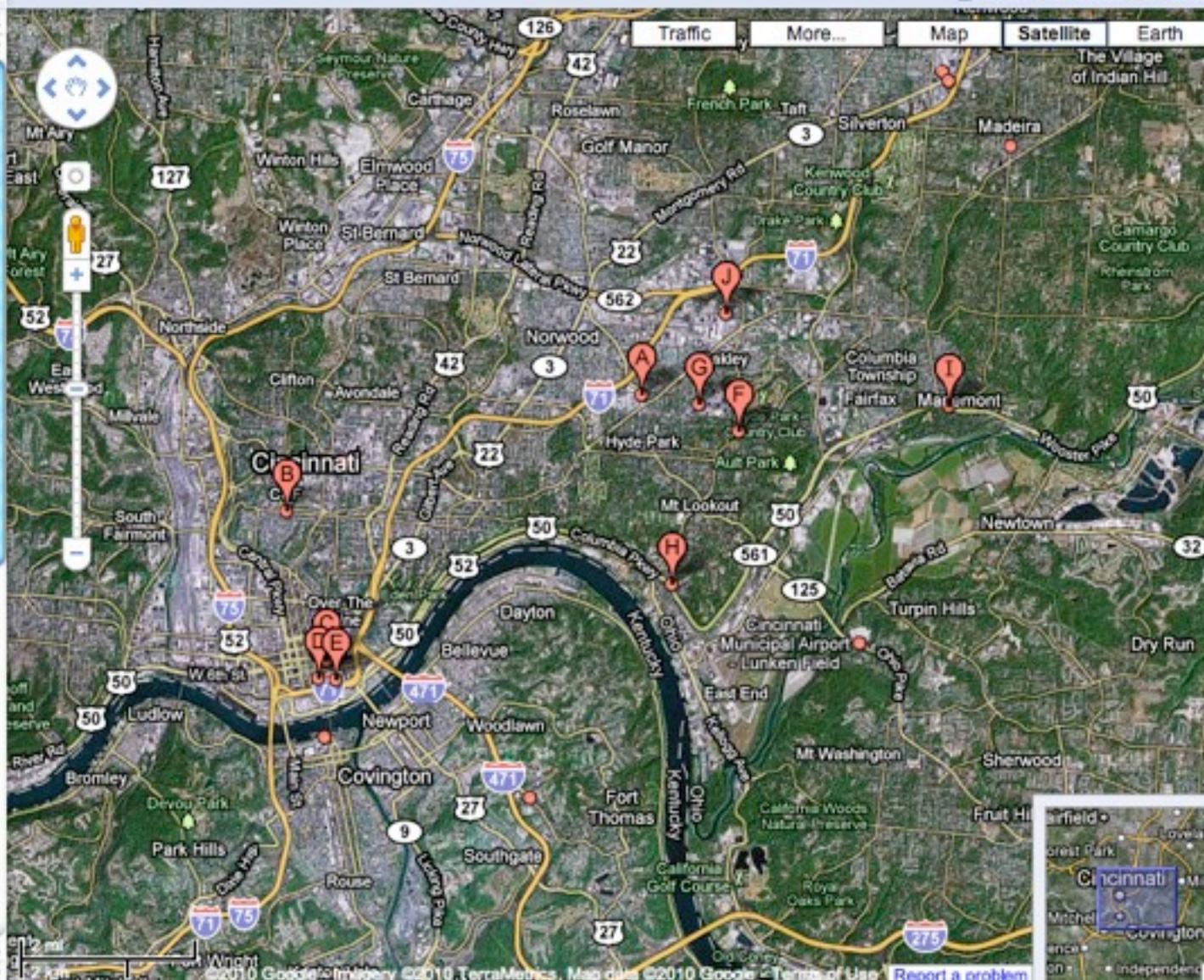
What's happening?

did you know you can add your location to your tweets?

⊕ Add your location

85   Tweet

Timeline   @Mentions   Retweets ▾   Searches ▾   Lists ▾

1 new tweet

Jason Jason Calacanis

Go to # on this page

itter.com/

The website "http://twitter.com" would like to use your current location.

☐ Request permission only once every 24 hours

Don't Allow   Allow

your location to t

91 | Tweet

Followers

weets ▼   Searches ▼   Lists ▼

3 new tweets

Favorites **798**

⭐ **brucefloyd** Zzzzzzz...

"@BreakingNews: WNBA crown

Listed 17(

≡ Recently

Friends, re

nan ⇄ by stop

@jasontanz, it's not the web that's gonna die, it's

Trends

Worldwide · change

Yom Kippur

Restart vaiado

```
if (navigator.geolocation) {

navigator.geolocation.getCurrentPosition(show_coordinat
es);

function show_coordinates(position){
    alert('Your latitude is ' + position.coords.latitude + ' ' +
    'and your longitude is ' + position.coords.longitude +
'.');
    }
}
```

http://ion.christopherschmitt.com/geolocation/

location

tion Alert Bo

http://ion.christopherschmitt.com

Your latitude is 30.38084560909087 and your
longitude is 30.38084560909087.

OK

http://github.com/teleject/HTML5-GeoLocation-jQuery-Plugin

```
<div class="vcard">
    <a class="url fn n" href="http://www.theqcard.com/">
    <span class="given-name">Jane</span>
    <span class="additional-name"></span>
    <span class="family-name">Smith</span>
    </a>
    <div class="org">Old School BBQ and Grill</div>

    <div class="adr">
        <div class="street-address">2907 E MLK Jr Blvd.</div>
        <span class="locality">Austin</span>,
        <span class="region">TX</span>,
        <span class="postal-code">78702</span>
        <span class="country-name">USA</span>
    </div>
    <div class="tel">512-974-6830</div>
    <div class="note-distance">
    </div>
</div>
```

http://microformats.org/code/hcard/creator

```
<div id="locations2">
    <ol>
        <li><!-- Microformats address 1 --></li>
        <li><!-- Microformats address 2 --></li>
        <li><!-- Microformats address 3 --></li>
        <li><!-- Microformats address 4 --></li>

        ...
    </ol>
</div>
```

<script type="text/javascript" src="http://ajax.googleapis.com/ajax/libs/jquery/1.4.2/jquery.min.js"></script>

<script type="text/javascript" src="js/jquery-location.1.0.0.js"></script>

http://code.google.com/apis/maps/signup.html

Google code

Search

e.g. "ajax apis" or "open source"

Google Maps API Family

Home   FAQ   Articles   Blog   Forum   Terms

Maps API Family

Index Your Maps Content

Maps Javascript API V3

Home Page

Documentation

Maps Javascript API V2

(Deprecated API)

Home Page

Documentation

Maps API for Flash

Home Page

Documentation

Maps Data API

Home Page

Documentation

Maps Web Services

Geocoding Guide

Directions Guide

Elevation Guide

Places Guide

Static Maps API

Sign Up for the Google Maps API

The Google Maps API lets you embed Google Maps in your own web pages. A single Maps API key is valid for a single "directory" or domain. See this FAQ for more information. You must have a Google Account to get a Maps API key, and your API key will be connected to your Google Account.

Here are some highlights from the terms for those of you who aren't lawyers:

- **There is no limit on the number of page views you may generate per day using the Maps API.** See this FAQ for more information.
- **There is a limit on the number of geocode requests per day.** See this FAQ for more information.
- **The Maps API does not include advertising.** If we ever decide to change this policy, we will give you at least 90 days notice via the announcements lists.
- If you use other APIs in conjunction with the Maps API, you should also review the terms for the other APIs. Note in particular that the GoogleBar in the JS Maps API uses the AJAX Search API, and that API has its own terms.
- **Your service must be freely accessible to end users.** To use Google mapping technology in other types of applications, please use Google Maps API Premier. See this FAQ for more information.
- **You may not alter or obscure the logos or attribution on the map.**
- You must indicate whether your application is using a sensor (such as a GPS locator) to determine the user's location.
- You may use the API (except for the Static Maps API) in websites or in software applications. For websites, please sign up with the URL where your implementation can be found. For other software applications, please sign up with the URL of the page where your application can be downloaded.
- Google will upgrade the APIs periodically. To be notified of updates, please subscribe to the announcements lists.
- Remember that we reserve the right to suspend or terminate your use of the service at any time, so please read through the FAQ and forum posts to decide whether your site meets the Terms of Use before you begin API integration.

Last updated: November 26, 2008

1. Your relationship with Google.

1.1 Use of the Service is Subject to these Terms. Your use of any of the Google Maps/Google Earth APIs (referred to in this document as the **"Maps API(s)"** or the **"Service"**) is subject to the terms of a legal agreement between you and Google Inc., whose principal place of business is at 1600 Amphitheatre Parkway, Mountain View, California 94043, United States (**"Google"**). This legal agreement is referred to as the **"Terms"**.

```
<script type="text/javascript" src="http://ajax.googleapis.com/ajax/libs/
jquery/1.4.2/jquery.min.js"></script>
<script type="text/javascript" src="js/jquery-location.1.0.0.js"></script>
<script type="text/javascript">
    $(document).ready(function()
    {
        $('#locations2').location({
          'apiKey' : 'YOUR_API_KEY_HERE'
        });
    });
</script>
```

Q CARD

105 E 5TH ST, AUSTIN, TX 78701, USA
RESTAURANT LISTINGS

Muck-N-Dave's Texas BBQ
1603 South Congress, Austin, TX 78704 USA
512-590-3387
~0.4 miles

The Shed BBQ Rolling Joint
1816 E 6th Street., Austin, TX, 78702 USA
504-432-4718
~1.5 miles

Old School BBQ and Grill
2326 E Cesar Chavez St, Austin, TX, 78702 USA
512-974-6830
~1.9 miles

Old School BBQ and Grill
2907 E MLK Jr Blvd., Austin, TX, 78702 USA
512-974-6830
~2 miles

Franklin Barbecue
3421 N. I-35, Austin, TX, 787
512-653-1187
~2.7 miles

http://2010.incontrolconference.com/eats/

Snow's BBQ
516 Main Street, Lexington, TX 78947 USA
979-773-4640
~52.1 miles

```html
<div class="vcard">
    <a class="url fn n" href="http://www.theqcard.com/">
    <span class="given-name">Jane</span>
    <span class="additional-name"></span>
    <span class="family-name">Smith</span>
    </a>
    <div class="org">Old School BBQ and Grill</div>

    <div class="adr" data-longitude="-97.723410" data-latitude="30.262098">
        <div class="street-address">2907 E MLK Jr Blvd.</div>
        <span class="locality">Austin</span>,
        <span class="region">TX</span>,
        <span class="postal-code">78702</span>
        <span class="country-name">USA</span>
    </div>
    <div class="tel">512-974-6830</div>
    <div class="note dista
    </div>
</div>
```

http://geocoder.us/

```
$('#locations').location(
    {
        apiKey: 'YOUR_API_KEY_HERE',
        geodata: '#geodata',  // site visitor's location
        notification: '.notification', // progress indicator
        recheck: '.recheck',
        distance: '.distance', //where the distance appears
        geoAdr: '.geoAdr', // longitude and latitude
        listElement: 'li' // different listing element?
    } );
```

XHTML, ...I THINK I WANT TO SEE ANOTHER MARKUP SPEC.

TAKE AWAYS

- New HTML5 elements for improved semantics

- HTML5 Audio

- HTML5 Video

  - Online video with HTML+JS captioning

- HTML5 Geolocation

RECOMMENDED

- *Universal Design for Web Applications* by Matt May and Wendy Chisholm

- *Bulletproof Ajax* by Jeremy Keith

- *Designing with Progressive Enhancement* by Filament Group

- *Microformats Made Simple* by Emily Lewis

UPCOMING E4H EVENTS

- Online, live 3rd Annual CSS Summit on July 26-27th

- Online, live Mobile JavaScript Summit on Aug. 30th

- Online, live 2nd Annual Accessibility Summit on Sept. 27th

  - More details at http://twitter.com/@e4h

THANK YOU!

Christopher Schmitt

schmitt@heatvision.com

http://twitter.com/teleject

Empowering CSS3

Christopher Schmitt
ChristopherSchmitt.com
http://twitter.com/@teleject

Christopher Schmitt
ChristopherSchmitt.com
http://twitter.com/@teleject
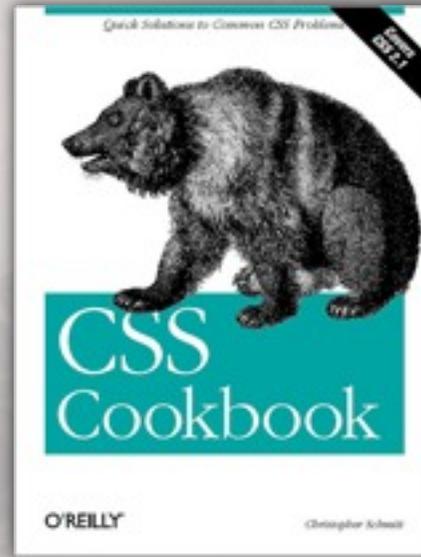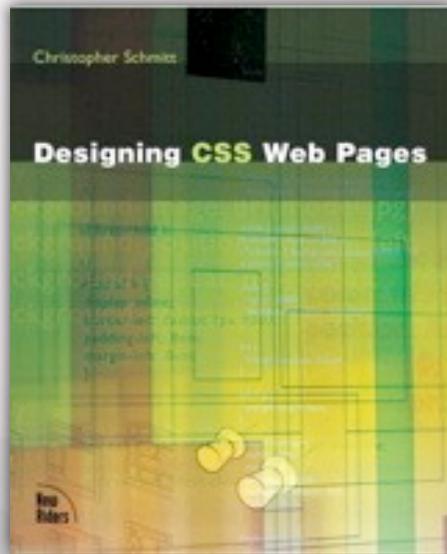
how do we go about solving our problems?

we solve problems
by realizing
The Limitations

and we realize that
Our Experience
limits our thinking

It's Always a Plumbing Problem

PAMPERED PUPS

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Treat your dog to a special day!!!

At Pampered Pups we service your dog from head to tail. Our stylists have decades of experience grooming dogs and are up to date on the latest styles for all breeds. At Pampered Pups your dog is never stuck in a kennel. Our special guests are pampered in a relaxed, supervised atmosphere. Be ensured your pet will get the greatest of attention!

All the products used at Pampered Pups are natural, and never tested on animals. If your pet stays for the day, we offer them a healthy meal with our all natural dog food, that we also offer for sale. Keep your pet looking sharp! Choose from our large selection of pet fashions, fit for dogs of all shapes and sizes. We also carry the latest trends in collars, leashes and engravable pet name tags.

We are located on the Southeast corner of County Line and University in Highlands Ranch, Colorado. Call or Stop by today for an appointment!

Dog Photo Reference

Home

About

Service

Photos

Contac

Treat your dog to a special day!!!

At Pampered Pups we service your dog from head to tail. Our stylists have decades of experience grooming dogs and are up to date on the latest styles for all breeds. At Pampered Pups your dog is never stuck in a kennel. Our special guests are pampered in a relaxed, supervised atmosphere. Be ensured your pet will get the greatest of attention!

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We are located on the Southeast corner of County Line and University in Highlands Ranch, Colorado. Call or Stop by today for an appointment!

Page 1   Sec 1   1/1   At 1"   Ln 1   Col 1   0/0

Our browsers
Limit our design

Main Content

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Praesent aliquam, justo convallis luctus rutrum, erat nulla fermentum diam, at nonummy quam ante ac quam. Maecenas urna purus, fermentum id, molestie in, commodo porttitor, felis. Nam blandit quam ut lacus.

Quisque ornare risus quis ligula. Phasellus tristique purus a augue condimentum adipiscing. Aenean sagittis. Etiam leo pede, rhoncus venenatis, tristique in, vulputate at, odio. Donec et ipsum et sapien vehicula nonummy. Suspendisse potenti. Fusce varius urna id quam. Sed neque mi, varius eget, tincidunt nec, suscipit id, libero. In eget purus. Vestibulum ut nisl. Donec eu mi sed turpis feugiat feugiat. Integer turpis arcu, pellentesque eget, cursus et, fermentum ut, sapien. Fusce metus mi, eleifend sollicitudin, molestie id, varius et, nibh. Donec nec libero.

H2 level heading

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Praesent aliquam, justo convallis luctus rutrum, erat nulla fermentum diam, at nonummy quam ante ac quam. Maecenas urna purus, fermentum id, molestie in, commodo porttitor, felis. Nam blandit quam ut lacus. Quisque ornare risus quis ligula. Phasellus tristique purus a augue condimentum adipiscing. Aenean sagittis. Etiam leo pede, rhoncus venenatis, tristique in, vulputate at, odio.

sidebar1 Content

The background color on this div will only show for the length of the content. If you'd like a dividing line instead, place a border on the right side of the #mainContent div if the #mainContent div will always contain more content than the #sidebar1 div.

Donec eu mi sed turpis feugiat feugiat. Integer turpis arcu, pellentesque eget, cursus et, fermentum ut, sapien.

Main Content

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Praesent aliquam, justo convallis luctus rutrum, erat nulla fermentum diam, at nonummy quam ante ac quam. Maecenas urna purus, fermentum id, molestie in, commodo porttitor, felis. Nam blandit quam ut lacus. Quisque ornare risus quis ligula. Phasellus tristique purus a augue condimentum adipiscing. Aenean sagittis. Etiam leo pede, rho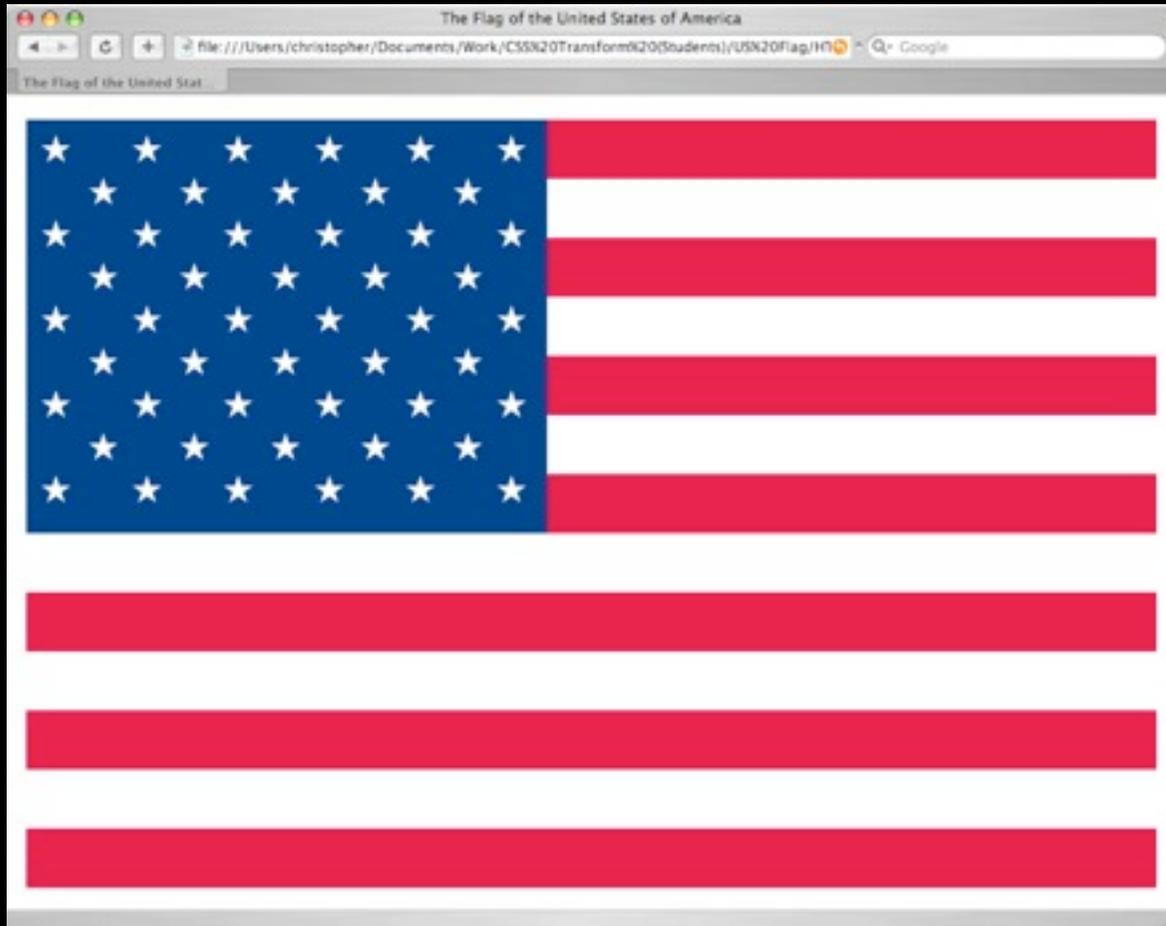ncus venenatis, tristique in, vulputate at, odio. Donec et ipsum et sapien vehicula nonummy. Suspendisse potenti. Fusce varius urna id quam. Sed neque mi, varius eget, tincidunt nec, suscipit id, libero. In eget purus. Vestibulum ut nisl. Donec eu mi sed turpis feugiat feugiat. Integer turpis arcu, pellentesque eget, cursus et, fermentum ut, sapien. Fusce metus mi, eleifend sollicitudin, molestie id, varius et, nibh. Donec nec libero.

H2 level heading

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Praesent aliquam, justo convallis luctus rutrum, erat nulla fermentum diam, at nonummy quam ante ac quam. Maecenas urna purus, fermentum id, molestie in, commodo porttitor, felis. Nam blandit quam ut lacus. Quisque ornare risus quis ligula. Phasellus tristique purus a augue condimentum adipiscing. Aenean sagittis. Etiam leo pede, rhoncus venenatis, tristique in, vulputate at, odio.
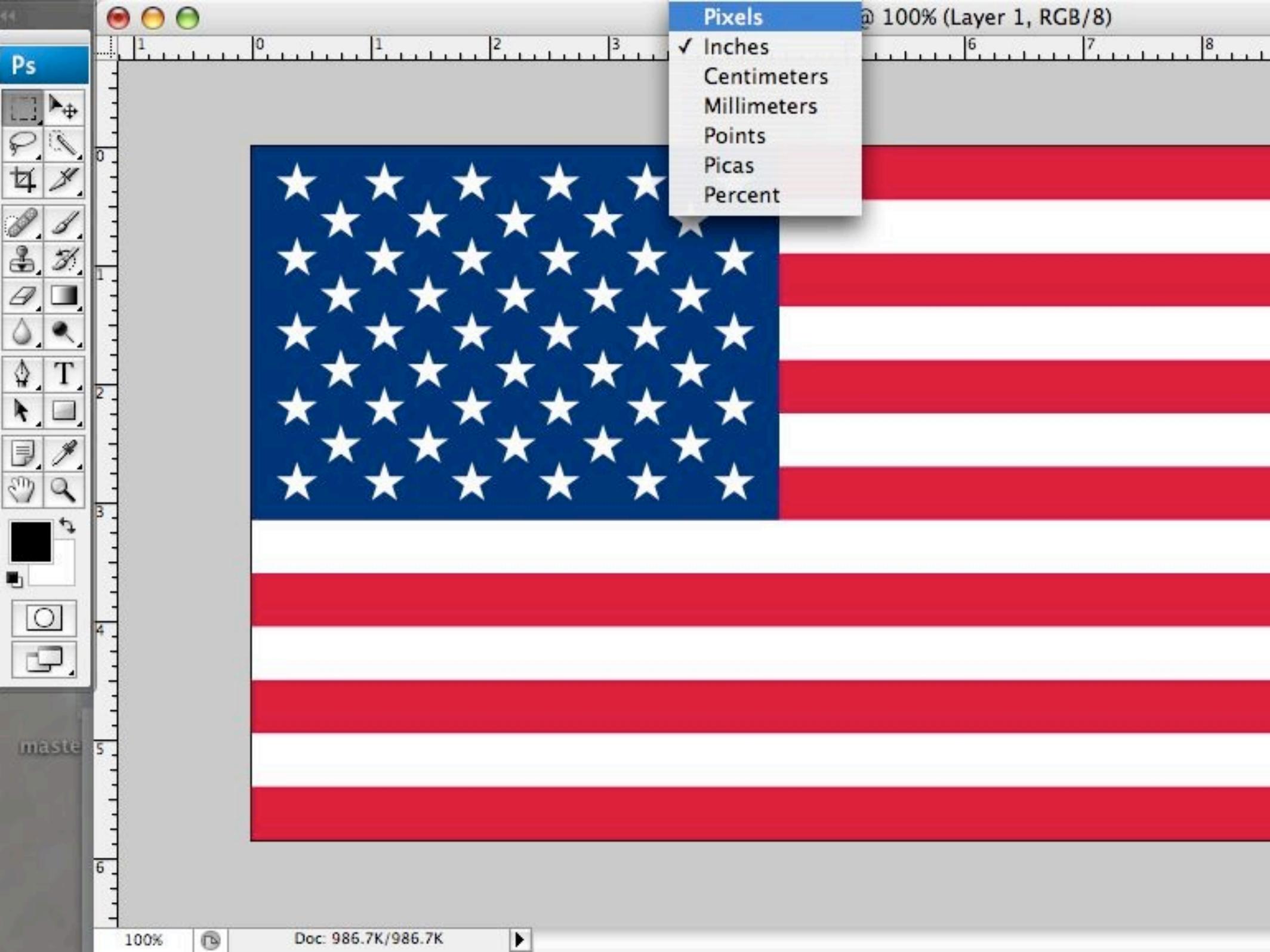
sidebar1 Content

The background color on this div will only show for the length of the content. If you'd like a dividing line instead, place a border on the right side of the #mainContent div if the #mainContent div will always contain more content than the #sidebar1 div. Donec eu mi sed turpis feugiat feugiat. Integer turpis arcu, pellentesque eget, cursus et, fermentum ut, sapien.

Test **limitations** to gain new **experience**

HTML5+CSS3

Semantic Markup

91

http://www.w3.org/TR/html4/index/elements.html

body

h1

p

ul

ll

em

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a

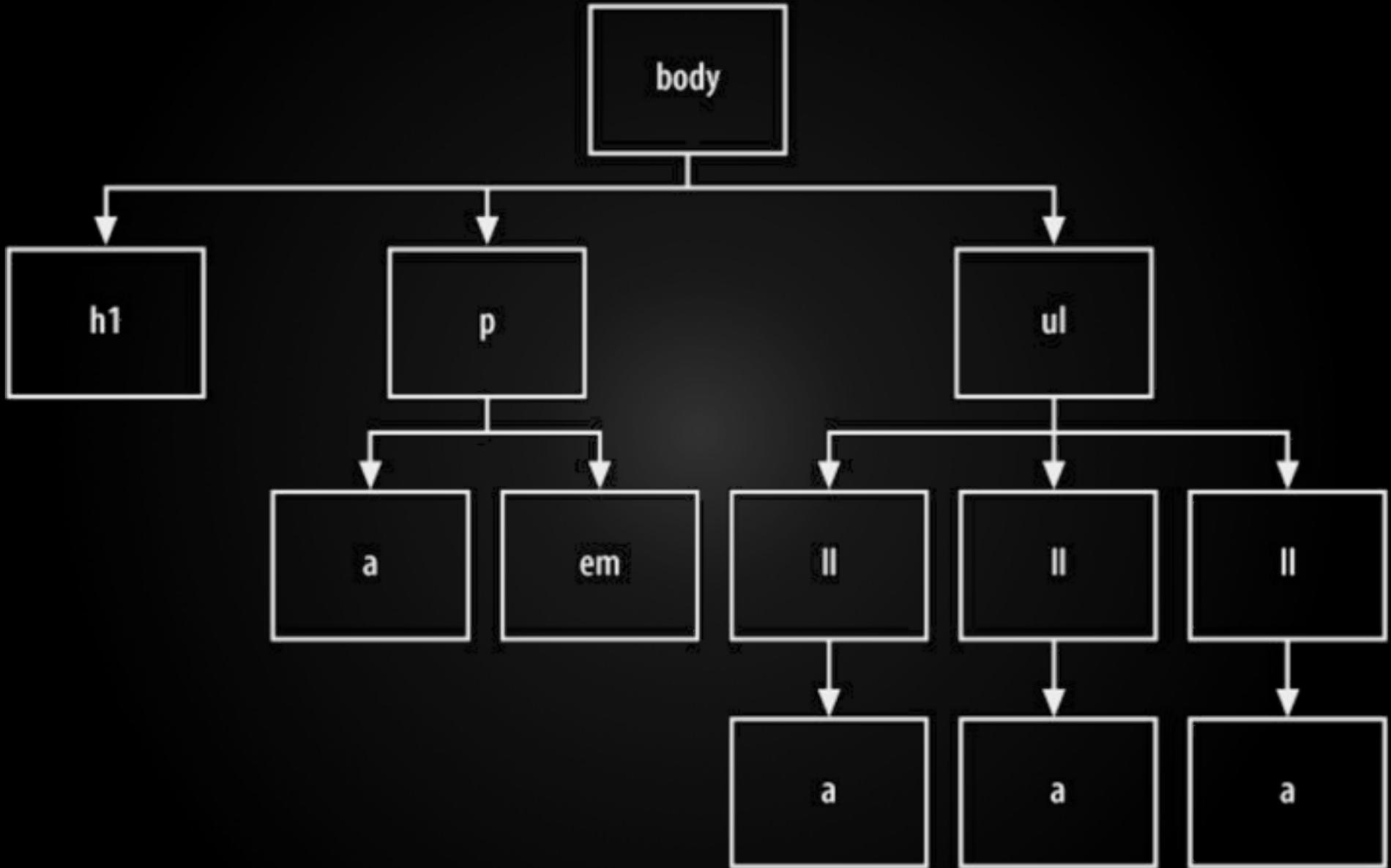ll

a

a

a

a

```html
<h1><a href="http://
www.usa.gov/">United States of America</
a></h1>

<ol><!-- Listing of States -->
  <li><a href="http://www.alabama.gov/">
<strong>State of Alabama</strong><i></i>
</a></li>

  <li><a href="http://www.ct.gov/">
<em><strong>State of Connecticut</
strong></em><i></i>
</a></li>

  ...

  </ol>
```

HTML 4.01 Transitional DTD:
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/1999/REC-html401-19991224/loose.dtd">

XHTML 1.0 Transitional DTD:
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

```
<!DOCTYPE html>
<html lang="en">
 <head>
  <meta charset="utf-8">
  <title>DOWNTOWN ORLANDO RESTAURANTS</title>
 </head>
 <body>
  <h1>....</h1>
  <p>...</p>
 </body>
</html>
```

EXERCISE

- Go to HTML validator at **http://validator.w3.org/#validate_by_input**

- Then type the following HTML (below) and hit validate:

  ```
  <!DOCTYPE html>
  <title>Small HTML5</title>
  <p>Hello world</p>
  ```

◄ ► | 🖨 | ⓘ | 1P | + | 🔒 http://validator.w3.org/check   ↻ | 🔍 Google

[Valid] Markup Validation of uplo...   +

W3C® Markup Validation Service

Check the markup (HTML, XHTML, ...) of Web documents

Jump To: Notes and Potential Issues   Congratulations · Icons

This document was successfully checked as HTML5!

Result: Passed, **3 warning(s)**

Source :
```
<!DOCTYPE html>
<title>Small HTML5</title>
<p>Hello world</p>
```

Encoding :   utf-8   (detect automatically) ▼

Doctype :   HTML5   (detect automatically) ▼

Root Element: html

The W3C validators are hosted on server technology donated by HP, and supported by community donations. **Donate** and help us build better tools for a better web.

Options

☐ Show Source   ☐ Show Outline   ⦿ List Messages Sequentially ◯ Group Error Messages by Type

☐ Validate error pages   ☐ Verbose Output   ☐ Clean up Markup with HTML Tidy

http://validator.w3.org/check

Q▾ Google

[Valid] Markup Validation ...

W3C® Markup Validation Service

Check the markup (HTML, XHTML, ...) of Web documents

Jump To: Potential Issues   Congratulations · Icons

This document was successfully checked as HTML5!

Result: Passed, 1 warning(s)

ℹ️ **Using experimental feature:** *HTML5 Conformance Checker.*

The validator checked your document with an experimental feature: *HTML5 Conformance Checker*. This feature has been made available for your convenience, but be aware that it may be unreliable, or not perfectly up to date with the latest development of some cutting-edge technologies. If you find any issue with this feature, please report them. Thank you.

tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor

Encoding :	utf-8	(detect automatically)
Doctype :	HTML5	(detect automatically)
Root Element:	html	

Options

☐ Show Source   ☐ Show Outline   ◉ List Messages Sequentially ◯ Group Error Messages by Type

☐ Validate error pages   ☐ Verbose Output   ☐ Clean up Markup with HTML Tidy

Help on the options is available.

Revalidate

Relearning Syntax

- Attribute quotes "not really" required

- UPPERCASE and lowercase HTML elements allowed

  - So is CaMeLcAse typing.

- No more need to do self-closing tags like <IMG /> or

- Also, no more minimalization. So, this is okay: <dl compact>

- Basically, everything that was bad from HTML4 in XHTML5 is good again.

  - Full circle, baby!

ARTICLE **vs** ASIDE **vs** SECTION

- Marc Grabsanki says:

  - Article is unique content to that document

  - Section is a thematic grouping of content, typically with a heading - pretty generic

  - Aside is content that is tangentially related, like a sidebar
    div has no meaning whatsoever, so there is nothing semantic about divs

ArtiCLE **vs** ASIDE **VS** SECTION

- Bruce Lawson says:

  - Aside is for something tangentially related to its parent element. Or, if a sibling to the main content, it can be used to make sidebars of navigation, recent comments, colophons, author bios etc.

  - Article is a discrete piece of content that could be syndicated - a blog post, a news item, a comment, a widget

  - Section can also contain articles. for example, you could have a page with a <section> full of entertainment articles, and a section of political news etc.

ArtiCLE vs ASIDE VS SECTION

- Molly Holzschlag says:
  - <section> clarifies <div>
  - <article> 'replaces' <div id="content">
  - <aside> 'replaces' <div id="sidebar">
- Chris Mills plays it safe: http://boblet.tumblr.com/post/130610820/html5-structure1

What about the **DIV**s?

- Marc:
  - "div has no meaning whatsoever, so there is nothing semantic about divs"

- Bruce says:
  - "Like all semantic questions, it depends on the context. If your only reason for wanting an element is to group stuff for styling, it's a div."

```
<body>
 <header>
  <h1>Heading </h1>
 </header>
 <nav>
  <h3>Site Navigation</h3>
  <ul>...</ul>
 </nav>
 <section>
   <article>
  <h3>Weblog Entry</h3>
   </article>
 </section>
 <aside>
   <p>You are reading "Chocolate Rain", an entry posted on <time
datetime="2009-03-05">5 March, 2009</time>, to the <a href="#">Misty
collection</a>. See other posts in <a href="#">this collection</a>.</p>
 </aside>
 <footer>
  <p>...</p>
 </footer>
</body>
```

Heading

Site Navigation

- Main
- Products
- Services
- Contact
- About

Weblog Entry

Chocolate Rain

March 5, 2009

Epsum factorial non deposit quid pro quo hic escorol. Olypian quarrels et gorilla congolium sic ad nauseum. Souvlaki ignitus carborundum e pluribus unum. Defacto lingo est igpay atinlay. Marquee selectus non provisio incongruous feline nolo contendre. Gratuitous octopus niacin, sodium glutimate. Quote meon an estimate et non interruptus stadium. Sic tempus fugit esperanto hiccup estrogen. Glorious baklava ex librus hup hey ad infinitum.

Non sequitur condominium facile et geranium incognito. Epsum factorial non deposit quid pro quo hic escorol. Marquee selectus non provisio incongruous feline nolo contendre Olypian quarrels et gorilla congolium sic ad nauseum. Souvlaki ignitus carborundum e pluribus unum.

About This Entry

You are reading "Chocolate Rain", an entry posted on 5th of March, 2009, to the Misty collection. See other posts in this collection.

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File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   Media   History   Mail   Print

Address   file:///Y:/Documents/Work/@speaking/Web%20Standards%20Meetip/Examples/2%20Additional%20Content/er#header   Go   Links

Heading

Site Navigation

- Main
- Products
- Services
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About This Entry

```
<script type="text/javascript">
document.createElement('header');
document.createElement('nav');
document.createElement('section');
document.createElement('article');
document.createElement('aside');
document.createElement('footer');
</script>
```

http://ejohn.org/blog/html5-shiv/

Heading

Site Navigation

- Main
- Products
- Services
- Contact
- About

Weblog Entry

Chocolate Rain

March 5, 2009

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About This Entry

MODERNIZR

Home   News   Docs   Sites

Latest release:

1.1

Version 1.1 fills in some of the gaps by testing for more exciting HTML5 features like localStorage, Web Workers, applicationCache and more…

Read the full release notes

What is Modernizr?

Have you ever wanted to do if-statements in your CSS for the availability of cool features like `border-radius`? Well, with **Modernizr** you can accomplish just that! The syntax is very intuitive, too:

```
.multiplebgs div p {
    /* properties for browsers that
       support multiple backgrounds */
}
.no-multiplebgs div p {
    /* optional fallback proper
       for browsers that don't
}
```

Modernizr is a small and simple JavaScript library that

Modernizr detects support for:

@font-face	CSS Columns ✓
Canvas ✓	CSS Gradients ✓
Canvas Text ✓	CSS Reflections ✓
HTML5 Audio ✓	CSS 2D Transforms ✓
HTML5 Video ✓	CSS 3D Transforms ✓
rgba() ✓	CSS Transitions ✓
hsla() ✓	Geolocation API
border-image: ✓	localStorage ✓
border-radius: ✓	sessionStorage ✓
box-shadow: ✓	Web Workers ✓
Multiple backgrounds ✓	applicationCache ✓
opacity: ✓	Input Types[†]
CSS Animations ✓	Input Attributes[‡]

A green checkmark behind a feature indicates your current browser supports this.

Modernizr also enables you to use more semantic elements from the HTML5 spec, even ...cumentation for

Version: 1.1
Compressed size: 3.9 kb gzipped

Modernizr o

@ldexterldesign It's w

Perhaps it was tempo are you still having pr

55 minutes ago

@scott_ish Chrome positive; it's been rep

http://bit.ly/9ocw5I W

1.2!

about 17 hours ago

The State of CSS3 in Templates http://bit.l

http://modernizr.com/

HTML5 & CSS Flag

by Christopher Schmitt

United States of America

1. Jack Markell
   Delaware
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   Dover , DE , 19901
   (302) 744-4101
2. Edward Rendell
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   Harrisburg , PA , 17120
   (717) 787-2500
3. Chris Christie
   New Jersey
   PO Box 001
   Trenton , NJ , 08625
   609-292-6000
4. Sonny Perdue
   Georgia
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   Atlanta , GA , 30334
   404-656-1776
5. M. Jodi Rell
   Connecticut
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   Hartford , CT , 06106
   860-566-4840
6. Deval Patrick
   Massachusetts
   Massachusetts State House Office of the Governor Office of the Lt. Governor Room 280
   Boston , MA , 02133
   617-725-4005
7. O'Malley
   Maryland
   100 State Circle

```html
<header class="no">
    <hgroup>
        <h1>HTML5 &amp; CSS Flag</h1>
        <h2>by <a href="http://christopherschmitt.com/">Christopher Schmitt</a></h2>
    </hgroup>
</header>

<article>

<h3><a href="http://usa.gov">United States of America</a></h3>
<ol>
    <li>
        <div id="hcard-Jack-Markell" class="vcard">
         <a class="url fn" href="http://delaware.gov/">Jack Markell</a>
         <div class="org no" data-colony="1">Delaware</div>
         <div class="adr no">
          <div class="street-address">Tatnall Building, William Penn Street, 2nd Fl.</div>
          <span class="locality">Dover</span>,
          <span class="region">DE</span>,
          <span class="postal-code">19901</span>
         </div>
         <div class="tel no">(302) 744-4101</div>
        </div>
    </li>
```

Some Common HTML Errors

- `<p> </p>`

- `<p> ... <br><br><br> ... <br><br><br>...`

- `<h2>Subject Matter<br></h2>`

- `<p><h2>Subject Matter</h2></p>`

- `<p><img ></p>`

Setting Up
the Easel

3D View of Box Model

"CSS Reset"

- http://developer.yahoo.com/yui/reset/

- http://meyerweb.com/eric/thoughts/ 2007/04/12/reset-styles/

  - http://meyerweb.com/eric/tools/css/reset/ index.html

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Comment on Bengals' draft | Pick-by-pick updates | Video | More coverage

Last Updated: 3:31 pm | Sunday, April 27, 2008   Make us your homepage | Add to favorites | **XML** RSS feeds | **POD** Podcasts | **SMS** Mobile alerts

Children see mother killed
Moments after watching a woman shoot his mother, a boy lay on her blood-covered body. His young sister ran after him to do the same.

Reaching across lines
The Reading and Three Rivers school districts are the latest in a growing list of Greater Cincinnati districts to offer open enrollment.

Matt's 'mission accomplished'
The 'celebration service' for Staff Sgt. Matt Maupin is over, and his body is now at Montgomery's Gate of Heaven cemetery for a private burial

- Today's photos: SSgt Maupin funeral
- Today's photos: Funeral preparations
- Events, maps, parking, road closings | More

Reds snap skid
It looked like the Reds were going to breeze, with a 10-5 lead going to the bottom of ninth. Then the bullpen made it interesting.
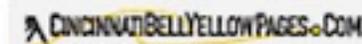
- Statistics make key points

Latest News | Updated 3:21 pm
- Bill would create next of kin database
- Man runs into traffic, dies
- Drunken swimmer drowns in creek
- Hit by car during fight, man dies
- Woman falls on stove while cooking
- Joe Nuxhall's brother dies
- Energy plan won't cut rates
- More » Latest updates on top stories

More» Local · Sports · Business · Life

Latest AP News | Updated 3:42 PM
- Wildfire creeps toward Pasadena, forcing more evacuations
- Obama discounts race as a factor in presidential election
- Strike in Scotland closes major North Sea oil pipeline

VIDEO >>

The Day in Photos

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▪ **Woman falls on stove while cooking**

▪ **Joe Nuxhall's brother dies**

▪ **Energy plan won't cut rates**

▪ More » **Latest updates on top stories**

More» Local · Sports · Business · Life

```html
<article>

<h3><a href="http://usa.gov">United
States of America</a></h3>

<ol>
  <li>
    <div id="hcard-Jack-Markell"
class="vcard">
```

```css
* {
  margin: 0;
  padding: 0;
}
body {
  margin: 5%;
  font-size: 67.5%;
}
article {
  display: block;
  width: 955px;
  margin: 0 auto;
  position: relative;
  height: 650px;
}
```

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225 Main Capitol Building
Harrisburg , PA , 17120
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   Trenton , NJ , 08625
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6. Deval Patrick
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   Massachusetts State House Office of the Governor Office of the Lt. Governor Room 280
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   617-725-4005

7. O'Malley
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   100 State Circle
   Annapolis , MD , 21401
   410-974-3901

8. Mark Sanford
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   Columbia , SC , 29211
   Fax: 803-734-5167

9. Lynch
   New Hampshire
   Office of the Governor State House 107 North Main Street
   Concord , NH , 03301
   603-271-2121

10. McDonnell
    Virginia
    Office of the Governor Patrick Henry Building, 3rd Floor 1111 East Broad Street
    Richmond , VA , 23219
    804-786-2211

11. David A. Paterson

Clearing Out the Content

```css
.no {
  display: none;
}
ol {
  list-style: none;
  margin: 0;
  padding: 0;
}
```

```html
<ol>
  <li>
    <div id="hcard-Jack-Markell"
class="vcard">
      <a class="url fn" href="http://
delaware.gov/">Jack Markell</a>
      <div class="org no" data-
colony="1">Delaware</div>
      <div class="adr no">
        ...
      </div>
      <div class="tel no">(302) 744-4101</
div>
    </div>
  </li>
```

United States of America

Jack Markell
Edward Rendell
Chris Christie
Sonny Perdue
M. Jodi Rell
Deval Patrick
O'Malley
Mark Sanford
Lynch
McDonnell
David A. Paterson
Bev Perdue
Donald Carcieri
Jim Douglas
Beshear
Phil Bredesen
Strickland
Bobby Jindal
Mitchell E. Daniels, Jr.
Haley Barbour
Pat Quinn
Bob Riley
John E. Baldacci
Jay Nixon
Mike Beebe
Jennifer M. Granholm
Charlie Christ
Rick Perry
Chet Culver
Jim Doyle
Arnold Schwarzenegger
Tim Pawlenty
Kulongoski
Mark Parkinson
Joe Manchin
Jim Gibbons
Dave Heineman

Striping

Normal Flow

- While normal flow is the default method of rendering a page, the placement of the elements can be altered

  - Floats

  - CSS position property

    - Values: absolute, relative, fixed or static

Absolute Positioning

- When an element is absolutely positioned, it is taken out of normal flow and positioned relative to the edges of its containing box, according to its offset properties.

- Absolutely positioned elements are ignored by other elements within normal flow.

Balancing Touch Massage and Bodywork

Renee L. Ellsworth-Kakaty
B.A., L.M.T.

Massage News

Technique of the Month

One of the most common questions I get as a massage therapist is "do you mind working on your client's feet?" My answer is always not at all. Feet can often hold clues to imbalance in other areas of the body. Reflexology a technique created and studied by Eunice Ingham in the early 1930's shows a correlation between the bottom of the foot and its connection to the rest of the body. When a person comes to my office for a reflexology session we begin with a medical intake and some discussion of health concerns and goals for the session. You will be lying on a massage table, often propped up with pillows for your comfort. I encourage my clients to wear comfortable clothing. I use a small amount of lotion to begin the session with some

Quote of the Month

"Only when the clamor of the outside world is silenced will you be able to hear the deeper vibration. Listen carefully"

- Sarah Ban Breathnach

Question of the Month

Q: What are the educational

Tips for healthy living

Relaxation techniques are such an important tool to have to get us through these often hectic and stressful days. Progressive relaxation, developed by Edmund Jacobson, is a great way to bring awareness to the body, allowing it to feel the difference between tension and relaxation. You can

Relative Positioning

- When an element is *relatively* positioned, it is initially placed within normal flow, and then adjusted according to its offset properties.

- #positioned {
  position: relative;
  top: 50px;
  right: 30px;
  background-color: #eee;
  }

Lorem [ipsum dolor](#) sit amet, consectetuer adipiscing **elit**. Nullam mauris nibh, lacinia a, sagittis non, sollicitudin id, est. Nam rhoncus tortor at augue. Suspendisse potenti. Aliquam ornare, leo eu tempor aliquet, mi massa interdum lectus, et ultrices mauris augue eget elit.

Pellentesque nec felis. Donec nec quam. Aliquam vestibulum quam at est. Mauris mi. In et erat. Nulla venenatis ligula eu pede.

viverra in, suscipit sed, massa. Phasellus metus. In imperdiet nunc vitae est. Praesent nunc. Sed nonummy eleifend purus. Donec justo erat, lobortis sit amet, semper ac, hendrerit vel, justo. Sed dapibus, augue id rutrum interdum, augue leo accumsan ante, dapibus volutpat ligula nunc eget augue.

Relative Positioning

- The browser lays out the paragraphs according to normal flow, then offsets the positioned paragraph 50 pixels from the top, and 30 pixels from the right of its default position.

- And like absolute positioning, relatively positioned elements can overlap other elements.

- Note that if you don't specify any offset properties for a relatively positioned element, it is placed according to normal flow.

```css
article {
  display: block;
  width: 955px;
  margin: 0 auto;
  position: relative;
  height: 650px;
}
div[data-colony] {
  width: 955px;
  height: 50px;
  display: block;
  background: #BF0A30;
  position: absolute;
  top: 0;
  left: 0;
  z-index: 1;
  text-indent: -9999em;
}
```

Sonny Perdue
M. Jodi Rell
Deval Patrick
O'Malley
Mark Sanford
Lynch
McDonnell
David A. Paterson
Bev Perdue
Donald Carcieri
Jim Douglas
Beshear
Phil Bredesen
Strickland
Bobby Jindal
Mitchell E. Daniels, Jr.
Haley Barbour
Pat Quinn
Bob Riley
John E. Baldacci
Jay Nixon
Mike Beebe
Jennifer M. Granholm
Charlie Christ
Rick Perry
Chet Culver
Jim Doyle
Arnold Schwarzenegger
Tim Pawlenty
Kulongoski
Mark Parkinson
Joe Manchin
Jim Gibbons
Dave Heineman
Bill Ritter
John Hoeven
Mike Rounds
Brian D. Schweitzer
Chris Gregoire
C.L. Butch Otter
Dave Freudenthal
Gary R. Herbert
Brad Henry
Bill Richardson
Jan Brewer
Sean Parnell
Linda Lingle

13

St. Francis Xavier

Lake Michigan

Lake Huron

Mackinac

Lake Ontario

Iroquois

New York

Massachusetts

Albany

Salem
Boston

Hartford
Conn.

Providence

Fort des Miamis Detroit

Lake Erie

Fort Miami

Pennsylvania

New York

APPALACHIAN BARRIER

Lancaster
Philadelphia

New Jersey

Fort St. Louis

Crevecoeur

Missouri River

Cahokia

Kaskaskia

L O U I S I A N A   (F R E N C H)

Ohio River

Maryland

Del.

THE GREAT

Virginia

Williamsburg

Norfolk

Mississippi River

Edenton

North Carolina

New Bern

Cherokee

South Carolina

Charleston

(F R E N C H)

Natchez

F R

Sabine R.

Mobile

Balozi

Pensacola

F L O (S P A

St. Augustine

Attribute Selectors

- a[title] { /* rules */ }
  a[href] { /* rules */ }

- p[id] { /* rules */ }
  p[class] { /* rules */ }

- img[alt] { /* rules */ }
  img[src] { /* rules */ }

- blockquote[cite] { /* rules */ }

Previous Solution

```css
a[href="http://delaware.gov/"] em {
  background: white;
  top: 50px;
  left: 0;
}
a[href="http://www.georgia.gov/"] em {
  top: 100px;
  left: 0;
}
...
```

New Solution

```
div[data-colony="2"] {
  top: 50px;
  left: 0;
  background: #fff;
}
div[data-colony="3"] {
  top: 100px;
  left: 0;
}
```

Jan Brewer
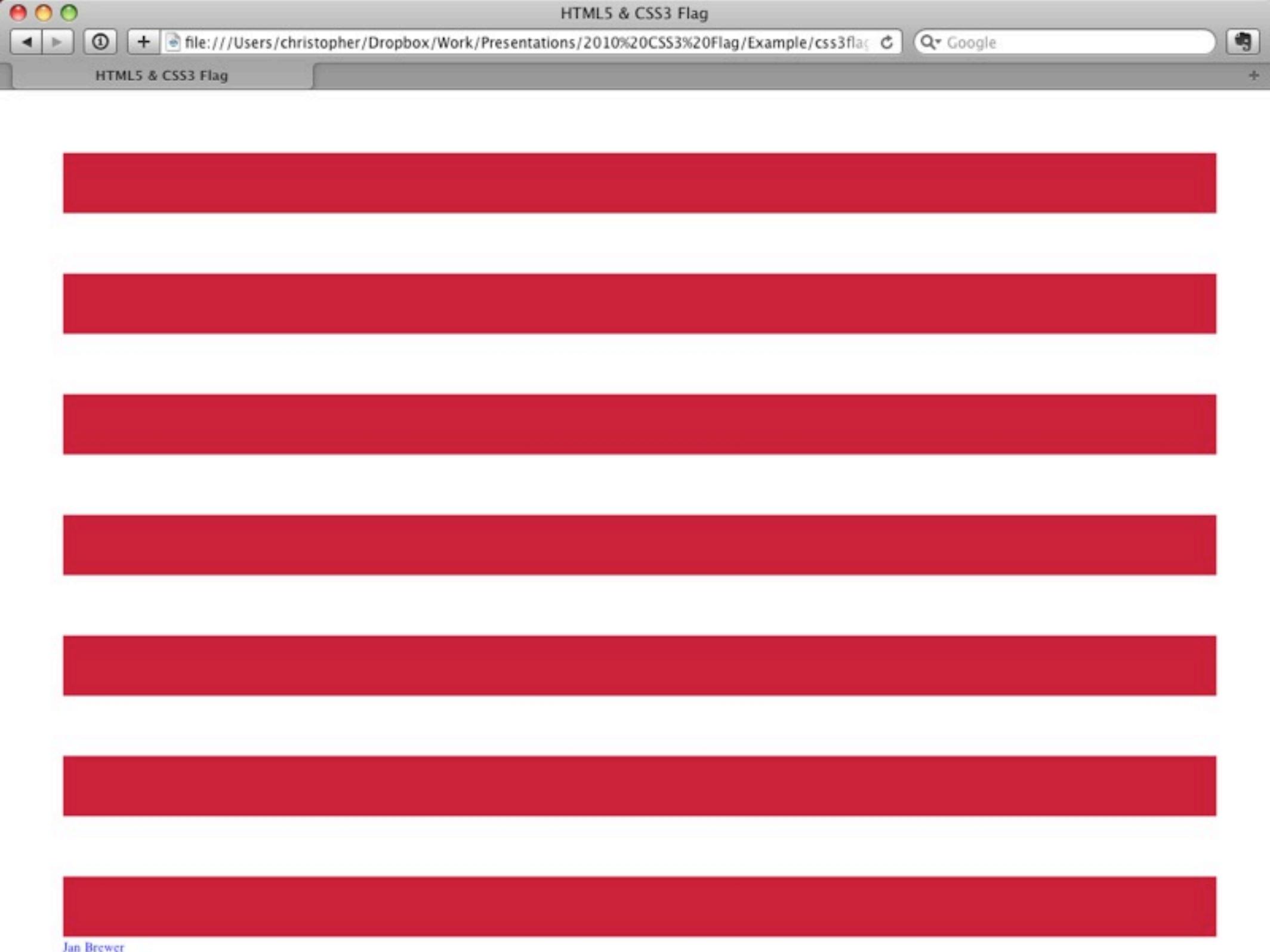
HTML5 Data Attributes

- Add custom "data" attributes to elements

- Embed information that can be scraped by third parties or by your own JavaScript

- More information: http://ejohn.org/blog/html-5-data-attributes/

- Example: http://sxswcss3.com/

SXSW 2010 Parties

CURRENT PARTIES   **STARTING SOON**   **ALL PARTIES**   **ABOUT**

Current parties:

Here are some parties happening now, sorted by closeness to you.

| Map | Satellite | Hybrid | Terrain |

Austin

Powered by Google

Map Data - Terms of Use
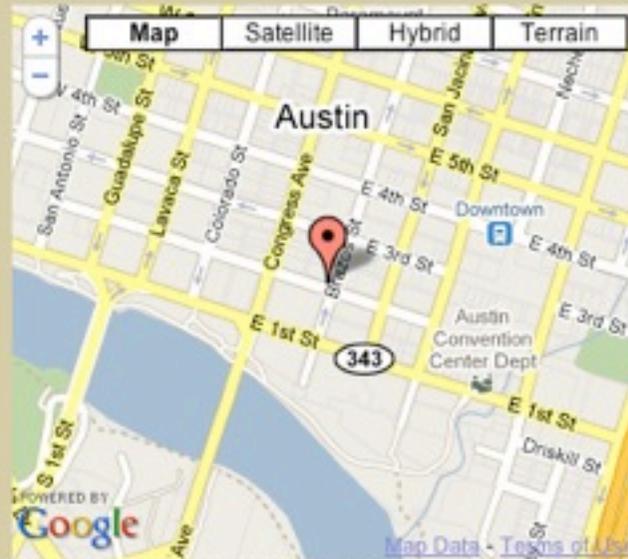
Search from a specific address:

Address [   ] [Submit]

Starting soon:

Here are some parties starting within an hour, sorted by closeness to you.

All parties:

| Fri 12 | Sat 13 | Sun 14 | Mon 15 | Tues 16 | Wed 17 |

00:00:00 to 00:00:00
Austinist / WOXY SXSW Day Party
Mohawk, 912 Red River St.

06:30:00 to 08:30:00
Music Fest Welcome Dinner
Four Seasons Hotel Ballroom, 98 San Jacinto

09:30:00 to 00:00:00
SXSW Blogger Lounge
Austin Convention Center Rm. 19A, 201 E. 2nd Street

12:00:00 to 00:00:00
Tweet House
Mellow Johnny's Bike Shop, 400 Nueces St.

```html
<li class="vevent" id="Party14">
 ...
 <h4 class="summary">Music Fest Welcome Dinner</h4>
 <span class="location vcard"><span class="fn org">Four Seasons Hotel Ballroom</span>,
 <span class="adr"
   data-longitude="-84.260799"
   data-latitude="30.456100">
 <span class="street-address">98 San Jacinto</span> <span class="locality">Austin</span>
 <span class="region">TX</span></span></span></a>
</li>
```

Why Encode Data?

- If we did our homework ahead of time, we can save processing time.

- With SXSWCSS3.com, store the longitude and latitude to with data attributes:

  - Keep from using the Google API saving processes and time.

- With CSS Flag, store which state was a colony and the order it was admitted to the union.

Why Encode Data?

- With CSS Flag, store which state was a colony and the order it was admitted to the union.

- Plus, we get additional "HTML hooks" for our CSS selectors

- Ergo, stripes!

Subtle Gradients

- But I need some serious CSS3 to keep my boss interested and my friends from laughing at me.

- No worries!

- Let's look into subtle gradients.

```css
div[data-colony="2"], div[data-colony="4"],
div[data-colony="6"], div[data-colony="8"],
div[data-colony="10"], div[data-colony="12"] {
  background-image: -webkit-gradient(
    linear, left bottom,
    left top,
    color-stop(0, rgb(255,255,255)),
    color-stop(0.69, rgb(227,227,227))
  );
  background-image: -moz-linear-gradient(
    center bottom,
    rgb(255,255,255) 0%,
    rgb(227,227,227) 69%
  );
}
```

```css
div[data-colony="1"], div[data-colony="3"],
div[data-colony="5"], div[data-colony="7"],
div[data-colony="9"], div[data-colony="11"],
div[data-colony="13"] {
  border-bottom: 1px solid rgba(255,00,102,.5);
  background-image: -webkit-gradient(
    linear, left bottom,
    left top,
    color-stop(0, rgb(191,10,48)),
    color-stop(0.69, rgb(174,19,45))
  );
  background-image: -moz-linear-gradient(
    center bottom,
    rgb(191,10,48) 0%,
    rgb(174,19,45) 69%
  );
}
```

Jan Brewer
Sean Parnell
Linda Lingle

CSS3 Gradient Picker

- http://gradients.glrzad.com/

- http://www.westciv.com/tools/gradients/
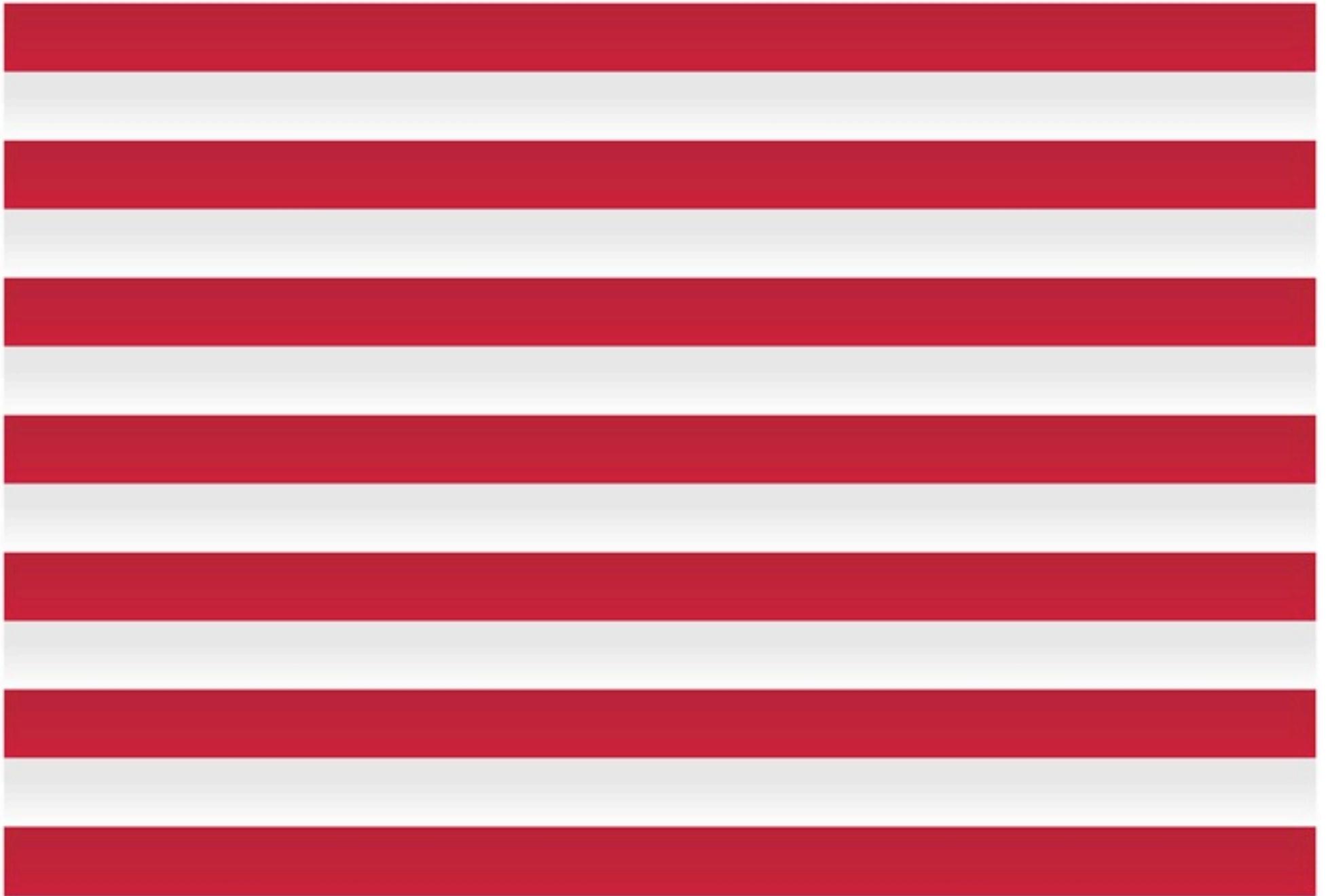
- Crossbrowser for IE8 and below?

    - http://msdn.microsoft.com/en-us/library/ms532997(VS.85).aspx

Pooling the Stars

United States of America
Jack Markell
Edward Rendell
Chris Christie
Sonny Perdue
M. Jodi Rell
Deval Patrick
O'Malley
Mark Sanford
Lynch
McDonnell
David A. Paterson
Bev Perdue
Donald Carcieri
Jim Douglas
Beshear
Phil Bredesen
Strickland
Bobby Jindal
Mitchell E. Daniels, Jr.
Haley Barbour
Pat Quinn
Bob Riley
John E. Baldacci
Jay Nixon
Mike Beebe
Jennifer M. Granholm
Charlie Christ
Rick Perry
Chet Culver
Jim Doyle
Arnold Schwarzenegger
Tim Pawlenty
Kulongoski
Mark Parkinson
Joe Manchin
Jim Gibbons
Dave Heineman
Bill Ritter
John Hoeven
Mike Rounds
Brian D. Schweitzer
Chris Gregoire
C.L. Butch Otter
Dave Freudenthal
Gary R. Herbert
Brad Henry
Bill Richardson
Jan Brewer
Sean Parnell
Linda Lingle

```css
h3 a {
  position: absolute;
  width: 440px;
  height: 350px;
  background: #002868;
  text-indent: -9999em;
  margin: 0;
  padding: 0;
  z-index: 20;
}
```

Getting Rid of Text

- sIFR (Scalable Inman Flash Replacement): http://wiki.novemberborn.net/sifr3

- Image Replacement Rundown: http://mezzoblue.com/tests/revised-image-replacement/

- Text-indent method "Google-safe"

  - Or is it?
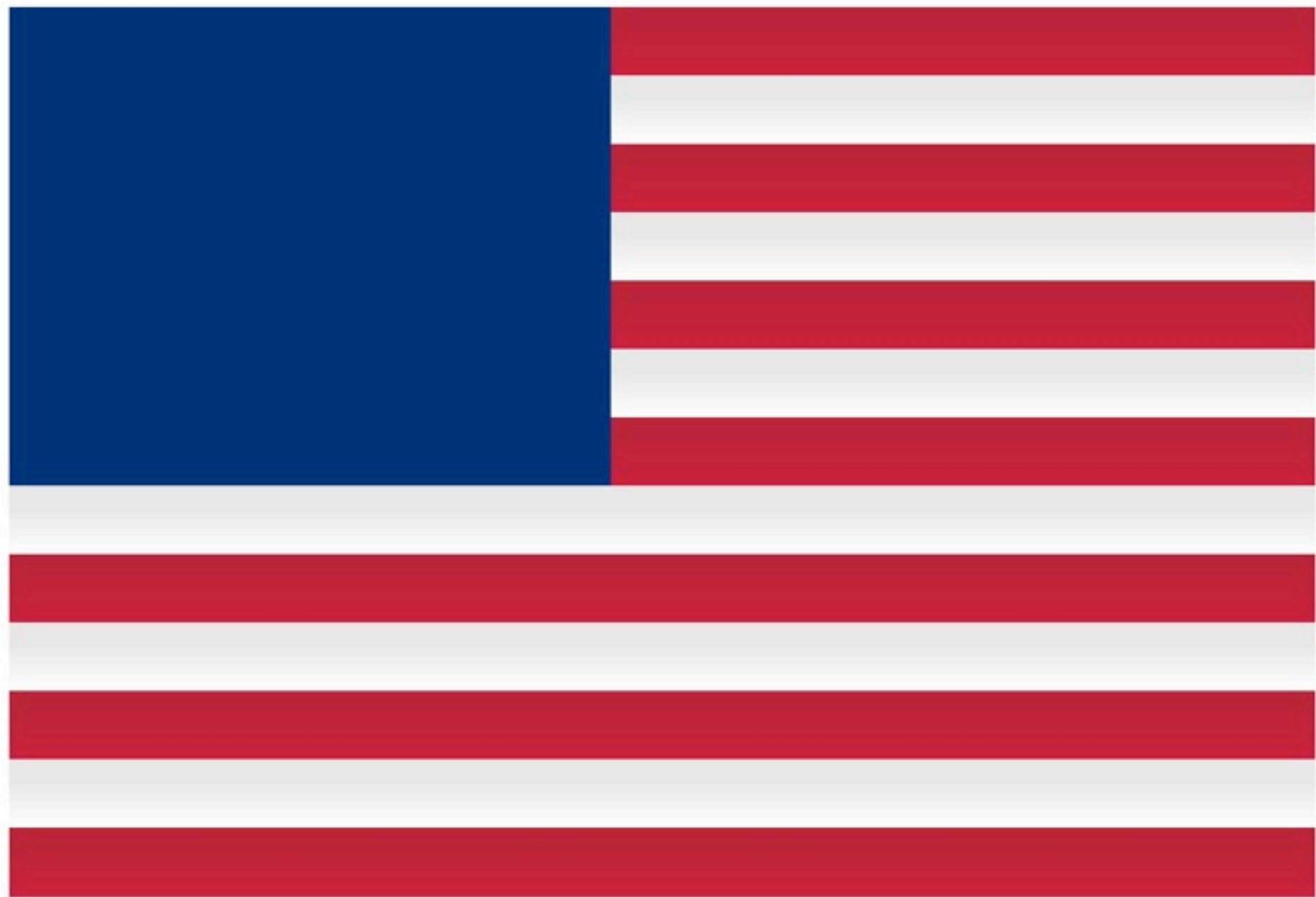
Subtle Gradients

```
h3 a {
  background-image: -webkit-gradient(
      linear,
      left bottom,
      left top,
      color-stop(0, rgb(0,40,104)),
      color-stop(0.5, rgb(3,27,64))
  );
  background-image:  -moz-linear-gradient(
      center bottom,
      rgb(0,40,104) 0%,
      rgb(3,27,64) 50%
  );
}
```
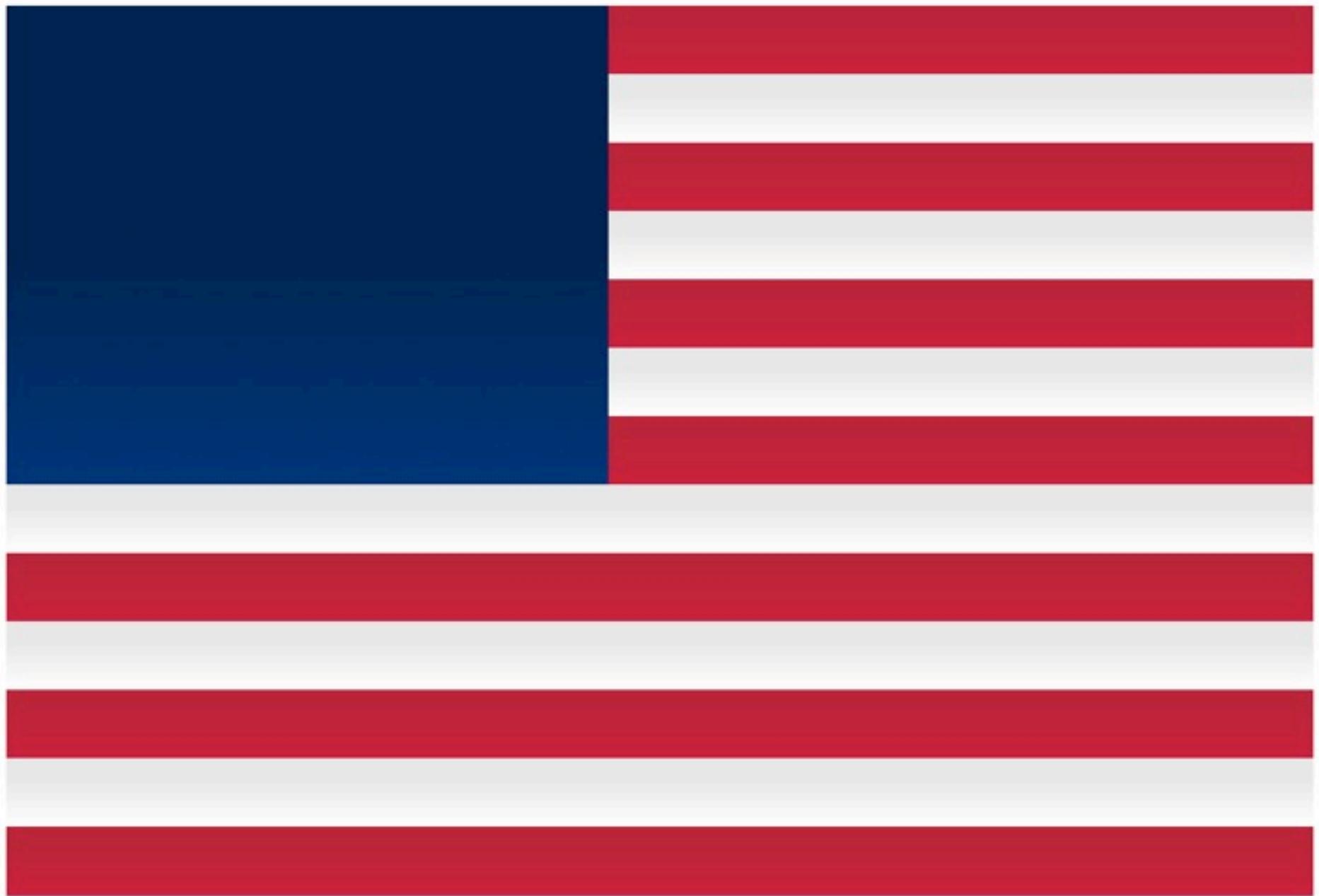
Stars

Previous Solution

```css
a[href="http://www.alabama.gov/"] i {
  background-image: url(stars.gif);
  display: block;
  position: absolute;
  top: 13px;
  left: 13px;
  z-index: 50;
  width: 24px;
  height: 23px;
}
```

Previous Solution

- Insert nested presentational element (albeit small)

- Change it's display to block

- Set width and height

- Place star graphic in the background

- Then position stars in the correct space

New Solution

- Avoid inserting presentational markup

- Avoid adding image

- Do something cooler than last year

- Everything else? Yeah, pretty much the same, but cool.

Adding Stars

```css
a.fn {
  position: absolute;
  z-index: 50;
  display: block;
  color: #fff;
}
```
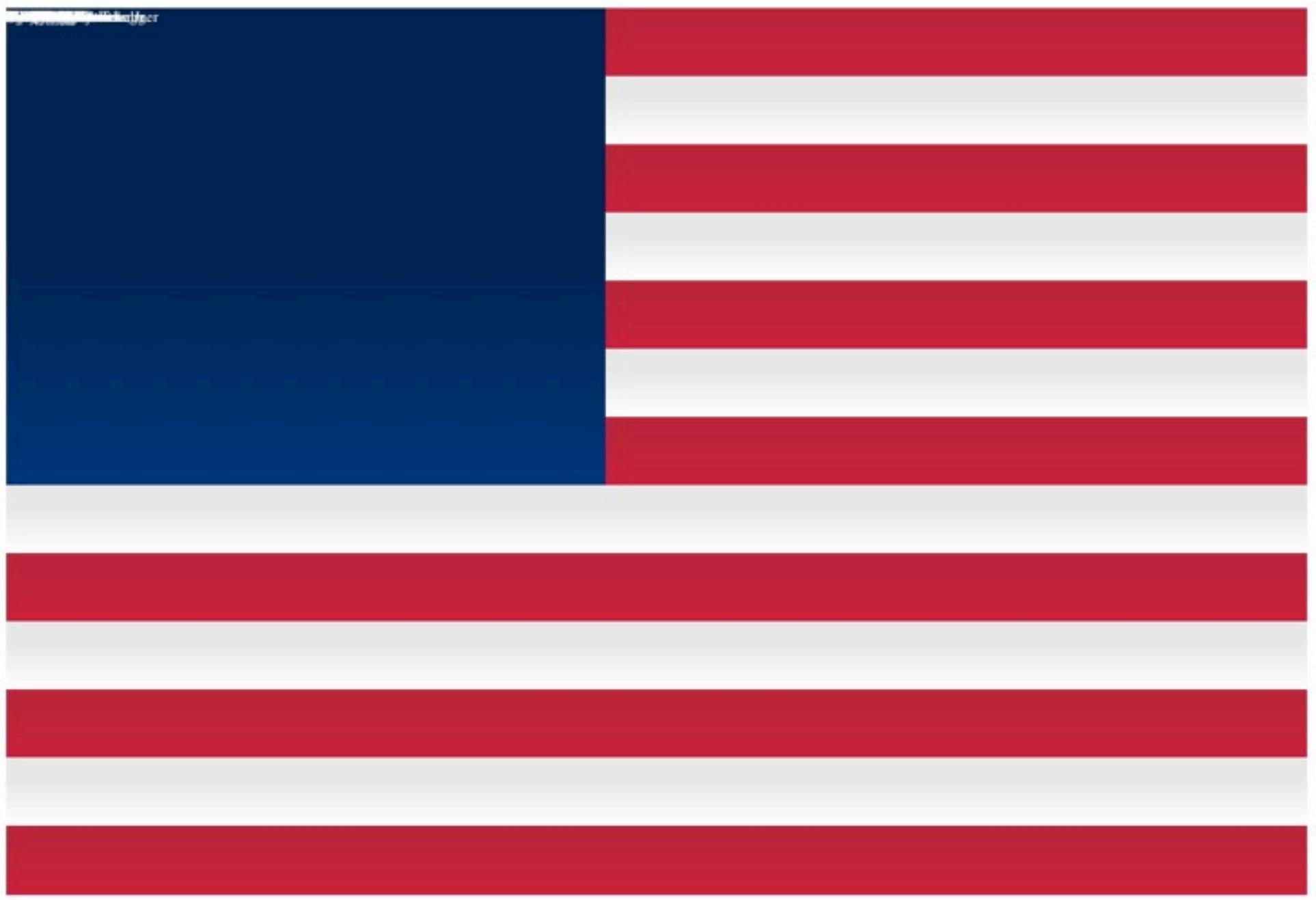
Position "Stars"

```css
/* First Row */
li:nth-child(1) a.fn {
  top: 13px;
  left: 13px;
}
li:nth-child(2) a.fn {
  top: 13px;
  left: 90px;
}
li:nth-child(3) a.fn {
  top: 13px;
  left: 167px;
}
...
```

Jack Markell   Edward Rendell Chris Christie   Sonny Perdue   M. Jodi Rell   Deval Patrick

file:///Users/christopher/Dropbox/Work/Presentations/2010%20CSS3%20Flag/Example/css3flag_

Q▾ Google

Jack Markell   Edward Rendell Chris Christie   Sonny Perdue   M. Jodi Rell   Deval Patrick

O'Malley   Mark Sanford   Lynch   McDonnell   David A. Paterson

Bev Perdue   Donald Carcieri Jim Douglas   Beshear   Phil Bredesen   Strickland

Bobby Jindal   Mitchell E. Daniels Haley Barbour Pat Quinn   Bob Riley

John E. Baldacci Jay Nixon   Mike Beebe   Jennifer M. Granholm Charlie Christ   Rick Perry

Chet Culver   Jim Doyle   Arnold Schwarzenegger Tim Pawlenty   Kulongoski

Mark Parkinson Joe Manchin   Jim Gibbons   Dave Heineman Bill Ritter   John Hoeven

Mike Rounds   Brian D. Schweitzer Chris Gregoire   C.L. Butch Otter Dave Freudenthal

Gary R. Herbert Brad Henry   Bill Richardson Jan Brewer   Sean Parnell   Linda Lingle

http://www.bvfonts.com/

http://www.fontsquirrel.com/fontface/generator

Reader ⟳   Q⟩ Google

@font-face Kit Generator

⊕ Add Fonts

| Seeing Stars Regular | TTF | 58 glyphs | 80 KB | ✕ |

○ **EASY**
Target all browsers with ideal settings combination.

◉ **EXPERT...**
Take complete control of the settings.

Font Formats:
- ☑ TrueType
- ☑ EOT
- ☑ SVG
- ☑ WOFF
- ☑ SVGZ

Font Options:
- ☑ Add Hinting — Improve Win rendering
- ☐ WebOnly™ — Disable desktop use
- ☐ Keep OT Features* — Ligatures, alt glyphs etc.
- ☑ Remove Kerning — Strip kerning Data
- ☐ Simplify Outlines — Remove extra points (lossy)
- ☐ Build Cufón File — Javascript font alternative

Subsetting:
- ○ Basic Subsetting — Western languages
- ◉ Custom Subsetting... — Custom language support
- ○ No Subsetting

Character Encoding:
- ☐ Mac Roman

Character Type:
- ☐ Lowercase
- ☐ Currency
- ☐ Lower Accents
- ☐ Uppercase
- ☐ Typographics
- ☐ Upper Accents
- ☐ Numbers
- ☐ Math Symbols
- ☐ Diacriticals
- ☐ Punctuation

Language:
- ☐ Albanian
- ☐ Bosnian
- ☐ Catalan
- ☐ German
- ☐ Polish
- ☐ Croatian
- ☐ Greek
- ☐ Portuguese
- ☐ Norwegian

http://www.fontsquirrel.com/

Handdrawn (40)
Initials (3)
Monospaced (25)
Novelty (26)
Pixel (4)
Retro (35)
Sans Serif (121)
Script (34)
Serif (62)
Slab Serif (16)
Stencil (17)
Typewriter (10)
Total Families: (607)

Font Foundries List

ABOUT

Font Squirrel is your best resource for FREE, hand-picked, high-quality, commercial-use fonts. Even if that means we send you elsewhere to get them.

WEBFONTS!

Fontspring

FREE

MyFonts Free Page
FontFont Free Fonts
dafont.com
Font River

DIY

Your Fonts (Handwriting)
FontStruct (Modular)

OTHER

fontlover.com
ilovetypography.com
Flickr Type Pool
Smashing Magazine

http://www.fontsquirrel.com/fontface/generator

Google

☐ Bosnian	☐ French	☐ Norwegian
☐ Catalan	☐ German	☐ Polish
☐ Croatian	☐ Greek	☐ Portuguese
☐ Cyrillic	☐ Hebrew	☐ Romanian
☐ Czech	☐ Hungarian	☐ Serbian
☐ Danish	☐ Icelandic	☐ Slovak
☐ Dutch	☐ Italian	☐ Slovenian
☐ English	☐ Latvian	☐ Spanish
☐ Esperanto	☐ Lithuanian	☐ Swedish
☐ Estonian	☐ Malagasy	☐ Turkish

Unicode Tables:

☐ Basic Latin	☐ Punctuation	☐ Latin Extended-B
☐ Latin-1 Sup	☐ Latin Extended-A	☐ Latin Extended +
☐ Currency Symbols		

Single Characters: W

Unicode Ranges:

Comma separated values. Can be single hex values and/or ranges separated with hyphens.
Example: "0021-007E,00E7,00EB,00C7,00CB"

Subset Preview: W

CSS Formats:
- ⦿ Bulletproof (Smiley) — Modified Bulletproof — Avoids local() problems
- ◯ Bulletproof (Original) — Paul Irish Method — Safe and compact
- ◯ Mo' Bulletproofer — Richard Fink Method — Uses double declarations

CSS Options:
- ☐ Style Linking — Group styles under family
- ☑ Base64 Encode — Encode Font Within CSS

Agreement:
- ☑ **Yes, the fonts I'm uploading are legally eligible for web embedding.**
  Font Squirrel offers this service in good faith. Please honor the EULAs of your fonts.

Download Your Kit

```css
@font-face {
    font-family: 'SeeingStarsRegular';
    src: url('seeis___-webfont.eot');
    src: local('☺'),
```

url(data:font/woff;charset=utf-8;base64,d09GRgABAAAAAAYYAA8AAAAACgAAAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAABGRlRNAAABWAAAABoAAAAcV3PY9kdERUYAAAF0
AAAAHQAAACAAQAAET1MvMgAAAZQAAAABDAAAAVlFfe1djbWFwAAABZAAAAGIAAAFqZcAISGN2dCAAAAI8AAAAMAAAADBdaF/VZnBnbQAAAmwAAAUAAAAFIMzwk9nbHlmAAAACgAAAAAAAD4pwrP8WhlYWQAAANgAAAAMgAAADbz7gc3aGhlYQAAA5QAAAAeAAAAJAc8A3ZobXR4AAADtAAAADIAAABMGi4APZxvYZAAAAPoAAAAEAAAACgD4ARcbWF4cAAAA/gAAAAgAA
AAIACZAKFuYW1lAAAAEGAAAAVAAAAOwJLs4ZnBvc3QAAAVoAAAAYgAAALgr2sxXcHJlcAAABcwAAABJAAAACOk/9jV42mNGYGBkAIJjV/RmgugT/lf1YDQASWgGlwAAeNpjYGRgYOAmkGEGBiYARCISBmAfMYAAUQAEUAAAB42mNgZMxjnMDAysDAyMgYw8DAMAysDAZMAYwMjAwMADd7AgMAZ2AARbkBvIPIM3HwMHAxMDGoMAQzrBAgUtBXyH+3/0ITPAQH/f/x/7f/UBZz3H93fDDUHCTYMcAFGZmABBO6AogTyAAsDHQHrGTpAgA7HBJoAAD/QgMbABMALgAaAA44AFABNADAAogBxAByAQBHAKMAQACjABgA1QB0WmJaYgCAARAAQAsdkUgsAMlRSNhaBgjaGBELXjaTc29SgNBAMTxmf26zdp4BOHAQhJJaU5JkYALuyAIqQOBWNqltFBTi4Vg4Vuktx
KCCDaStzD4BFoHs9FTC4f/1D8IBIAPSgmJDMO4QZtjTWRKEkzLKbRSyIyioARxfFl2C5S+9JurKpZ+5avjYJ/98QyA7Y9P7+Ng1Mu7M9j1c++kkzfyVfffZyk+XIpm5+vQUy/WWB
9gArZQA1HcYvOxQ1Io5UgLJUAza8XfGD7Z2j/OQbuv+Mqh7re0vU9blMVaX6eHtPTWXxrh7dU1p+/pZZvHGyYfjRboDvgCC6MDtFeNpjYGRgYGCRnMnt6M4mfm6+FmBNwM98nt/mK4wwugCMMJ/6t6
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X8AAHjaYZBgsIPCGnwQAI4UCD0AAQAAABMACgACAAAAAAACAAGAQAAKAAAAAcQBVAAAAAHja5ZBNTSMwEIVf0oAEC9ggxNIXIBJLdohKrBBIpAJ1mVA3RApOlaTlZ8N
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TgYGdnYZNkZZGGg7N3NB3B+L/VNcOFJLSZmcmnNQXszKwuQ3MjEBBTZyMICJAGiwBlDAAAA) format('woff'),
url(data:font/truetype;charset=utf-8;base64,AAEAAAAPAIAAAwBwRkZUVdz2PYAAAD8AAAAHEdERUYAQAAEAAABGAAAACBPUy8yUV97VwAAATgAAABWY21hcGXACEgA
AAGQAAAABamN2dCBdaF/VAAAC/AAAADBmcGdtgzgzPCTwAAAywAAAUZ2x5ZqcKz/EAAANAAAA+GhlYWTz7gc3AAAAEQAAAADZoaGVhBzwDWggaAABHAAAAAkaG10eBouAD8AAASUAAAAT
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AAyE/VLgABAAAADgAAAADgAAAAAAIAAQABABIAAQAEAAAAAAAAEBbgGQAAUABAK8AooAAAcPArwCigAAcUAMgEDAAAAAQAAAAAAAAAAAAAAAAwAAAAAAAAAAAAAAAAE1BQ1IQA
gIF8DIf85AAAADIQDHAAAAQAAAAAAAAAAAMAAAADAAAAHAABAAAAAAAABkAAMAQAAABwABABIAAAADgAIAAIABgAgAFCAoCAKIC8gX///AAAAAIABXAKAgACAvIF/////j/63/ZeAG
3+LfswABAAAAAAAAAAAAAAAAAAAAAEGAAABAAAAAAAAAEAAAAAAAAAAAAAAAEEAAAAAAAAAAAAAAAAAE1BQ1JAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAABQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAD/QgMbABMALgAa4AFABNADAAogBxABY
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AfA+gAAAAyE/VLgAAADIT9UuAAD/OwQYAyIAAAAIAAIAAAAAAAAAQAAyL/OAAAABCoAAAABBgAAQAAAAAAAAAAAAAAAAAAAAAABMB9AAA/AAAAAAFNAAAB9AAABCoAAAH0AAAB0AAAB
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VlaW5nIFN0YXJzIFFdlYmZvbnQQWBvAHAAeQByAGkAZwBoAHQAIABiAGwAdQBlAHYAaQBuAHkAdABhABAAGEAbwBsAC4AYwBvAG0AIAAxADkAOQA5ACAAQgBsAHUAZQAgAFYAaQBuAHk
AbAAgAEYAYwBuAHQAQcwB/AH8AVABoAGkAcwAgAGAGkAcwAgAGEAIABwAHIAbwB0AGUAYwB0AGUAZAAgAHEAZQBiAGYAbwBuAHQAIABhAG4AZAAgAGkAbgBBAGUA
ZAAgAGYAbwByACAAQwBTAFMAIABAAGYAbwBuAHQALQBmAGEAYwBlACAAdQBzAGUAIABPAE4ATABZAC4AIABSAGUAdABlAHIAcwBlACAAZQBuAGcAaQBuAGUAGUAZQByAGkAbgBnAACAA
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BkACAAdwBlAGIAZgBvAG4AdAAgAGEAbgBkACAAaQBzACAAaQBuAHQAQZQBuAGQAQZQBkACAAZgBvAHIAIABDAFMAUwAgAEAAZgBvAG4AdAAtAGYAYQBjAGUAUAATAB1AHMAZQAgAE8ATQ
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AGkAdAB1AGQALgBUAGUAGgAaQBzACAAZgBvAG4AdAAtAGkAcwAgAHAAcgBvAHQAQZQBjAHQAZQBkAC4AUwBlAGUAaQBuAGcAIABTAHQAQYQBYByAHMAUgBlAGcAdQBsAGEAcgBUAGAAUQB
G4AZwBTAHAAQYQByAHMAUwBlAGcAdQBsAGEAcgBuAGcAIABTAHQAYQBYByAHMAUgBlAGcAdQBsAGEAcgBUAGAAAAAP97ABQAAAAAAAAAAAAAAAAAAAAAAAAATAAAAAQACAAMAOgECAQMBBAEFAQYBBwEI
wBDQEOAQ8HdW5pMDBBMAd1bmkyMDAwB3VuaTIwMDEHdW5pMjAwMgd1bmkyMDAzB3VuaTIwMDQHdW5pMjAwNQd1bmkyMDA2B3VuaTIwMDcHdW5pMjA5B3VuaTIwMEE
HdW5pMjAyRgd1bmkyMDVGQCETExISEREQEA8PDg4NDQwMCwsKCgkJCAgHBwYGYGAQEAAAGNuAH/hUVoREVoREVoREVoREVoREVoREVoREVoREVoREVoREVoREVoREVo
RLMDAkYAK7MFBEYAK7ECAkVoRLEEBEVoRA==) format('truetype'), url('seeis___-webfont.svgz#webfontGfIuHtM5') format('svg'),
url('seeis___-webfont.svg#webfontGfIuHtM5') format('svg');
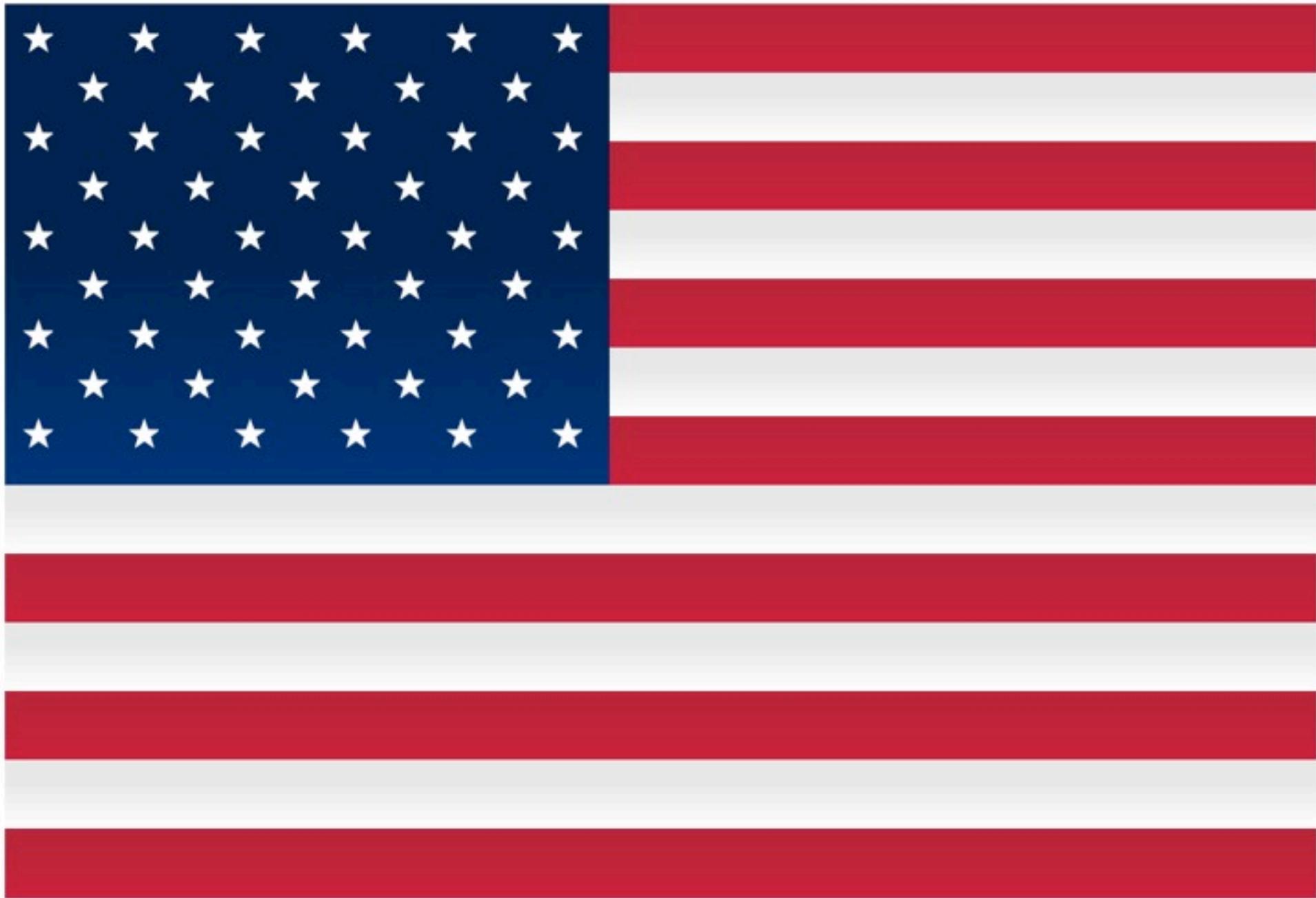```

Adding Stars

```css
a.fn:before {
  font-weight: normal;
  font-style: normal;
  line-height: normal;
  font-family: 'SeeingStarsRegular',
sans-serif;
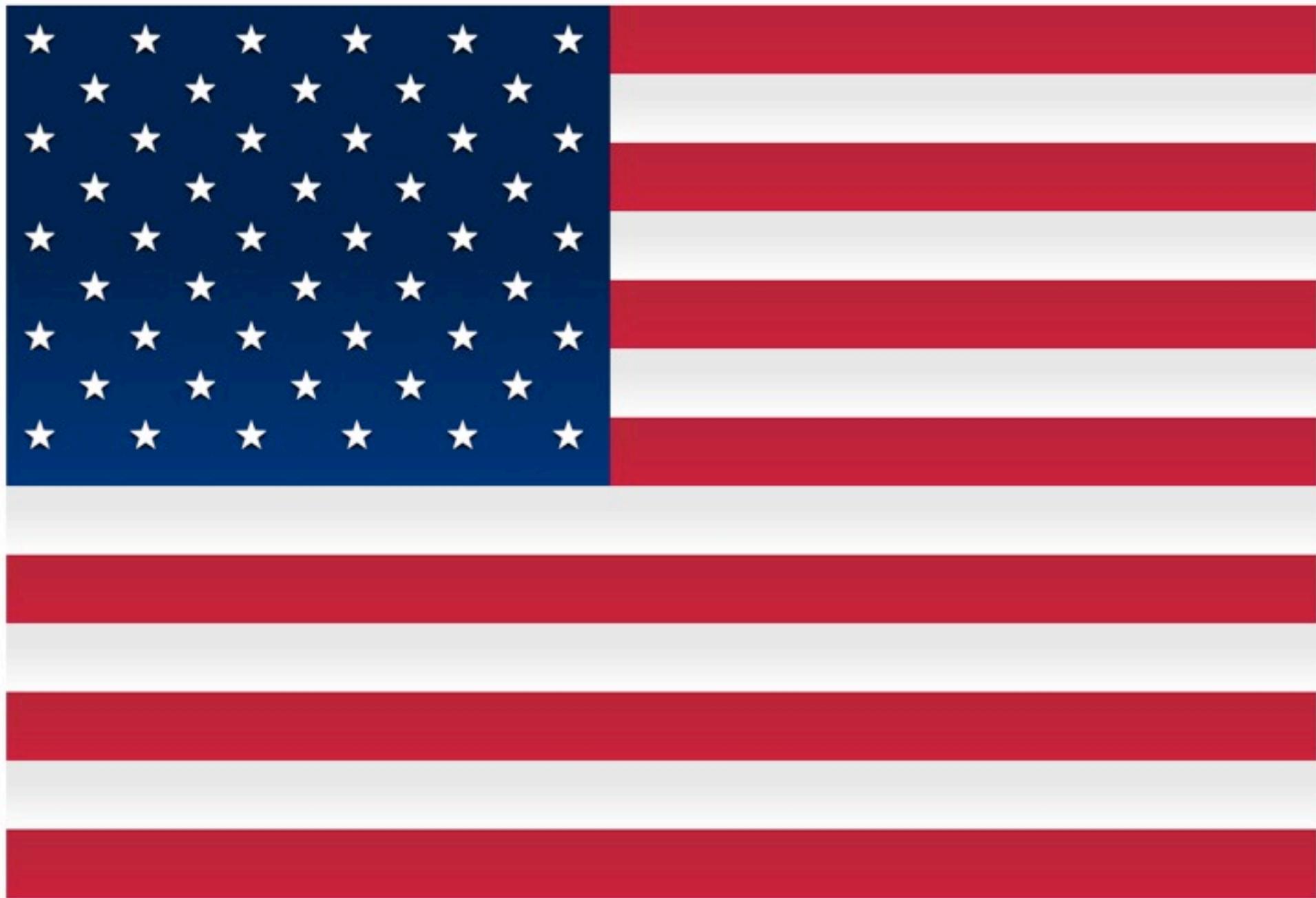  content: "W  ";
  font-size: 2em;
}
```

Adding Stars

```css
a.fn {
  width: 2.1em;
  height: 2.1em;
  overflow: hidden;
  position: absolute;
  z-index: 50;
  display: block;
  color: #fff;
}
```

file:///Users/christopher/Dropbox/Work/Presentations/2010%20CSS3%20Flag/Example/css3flag_

Adding Stars

```css
a.fn {
  width: 2.1em;
  height: 2.1em;
  overflow: hidden;
  position: absolute;
  z-index: 50;
  display: block;
  color: #fff;
  text-shadow: 0px 2px 1px #000;
}
```

file:///Users/christopher/Dropbox/Work/Presentations/2010%20CSS3%20Flag/Example/css3flag_

Q▾ -webkit-mask-image

But what about my subtle gradients?

```css
a.fn:before {
  font-weight: normal;
  font-style: normal;
  line-height: normal;
  font-family: 'SeeingStarsRegular', sans-
serif;
  content: "W  ";
  font-size: 2em;
  -webkit-mask-image: -webkit-
gradient(linear, left top, left bottom,
from(rgba(0,0,0,1)),to(rgba(0,0,0,.3)));
}
```
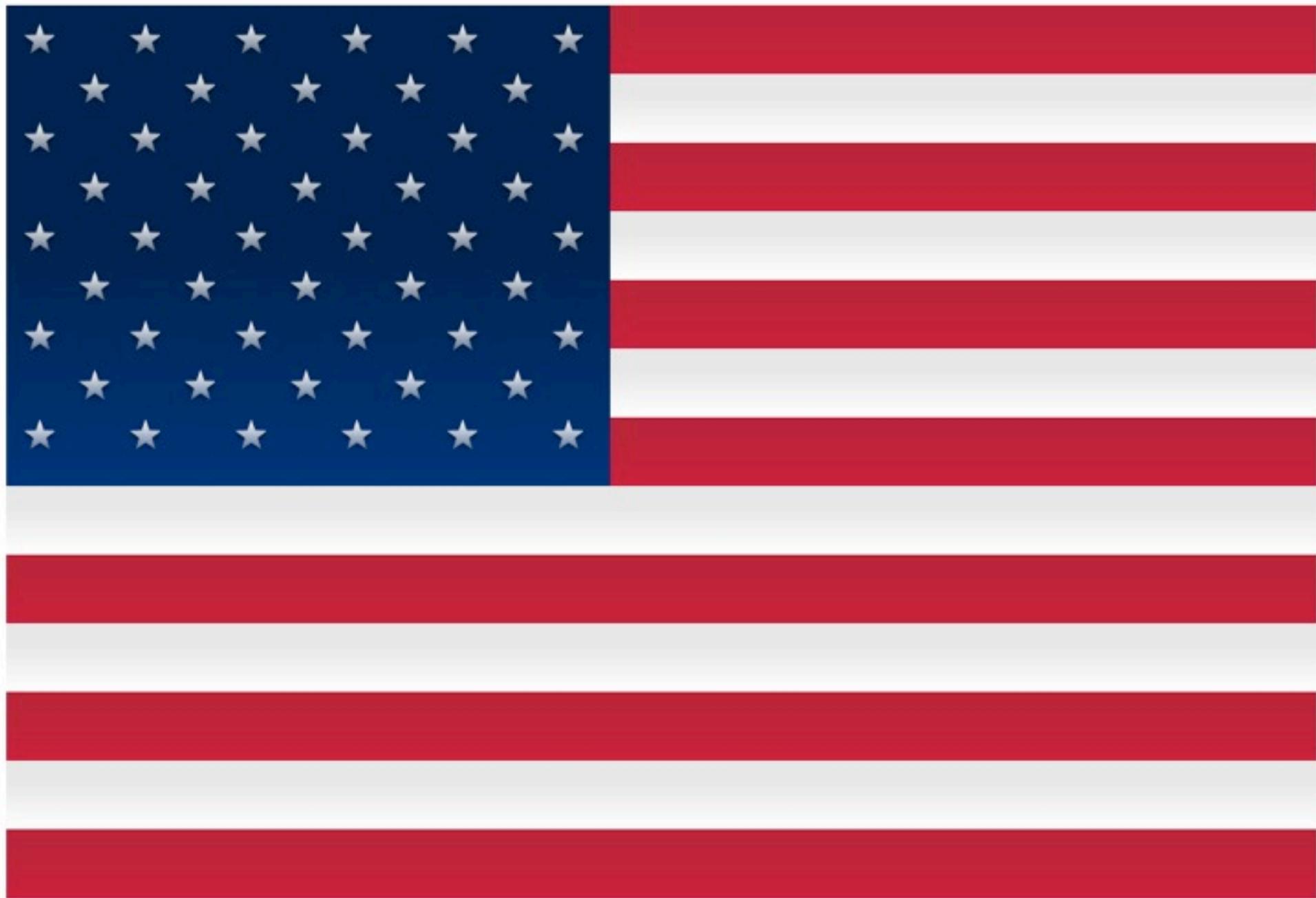
Click

Everything Clicks

- Previous solution had every pixel of the flag clickable

  - New solution has only the Union and Stars as clickable

- Due to using presentational element inside anchor: <a><i></i>

- New solution:

  - Again only one link, but would like to avoid hard coding link

vCard Microformat

```
<div id="hcard-Jack-Markell" class="vcard">
    <a class="url fn" href="http://
delaware.gov/">Jack Markell</a>
    <div class="org no" data-
colony="1">Delaware</div>
    <div class="adr no">
     <div class="street-address">Tatnall
Building, William Penn Street, 2nd Fl.</
div><span class="locality">Dover</span>,
<span class="region">DE</span>, <span
class="postal-code">19901</span>
</div>
  <div class="tel no">(302) 744-4101</div>
</div>
```

Enter jQuery

```
<script type="text/javascript"
src="http://ajax.googleapis.com/ajax/libs/
jquery/1.7/jquery.min.js"></script>
```

Enter jQuery

```
<script type="text/javascript">
  $(document).ready(function(){
    $("div[data-colony]");
     }
    );
  });
</script>
```

Enter jQuery

```
<script type="text/javascript">
  $(document).ready(function(){
    $("div[data-colony]").wrap();
  });
</script>
```

Enter jQuery

```html
<script type="text/javascript">
  $(document).ready(function(){
    $("div[data-colony]").wrap(function() {
        }
    );
  });
</script>
```

Enter jQuery

```
<script type="text/javascript">
  $(document).ready(function(){
    $("div[data-colony]").wrap(function() {
      return '<a href="' +
$(this) + '" />';
    }
  );
});
</script>
```

Enter jQuery

```
<script type="text/javascript">
  $(document).ready(function(){
    $("div[data-colony]").wrap(function() {
      return '<a href="' +
$(this)
.parent("div").children("a:first") + '" /
>';
    }
  );
});
</script>
```

Enter jQuery

```
<script type="text/javascript">
 $(document).ready(function(){
   $("div[data-colony]").wrap(function() {
     return '<a href="' +
$(this)
.parent("div").children("a:first")
.attr("href") + '" />';
   }
  );
 });
</script>
```

Links around Blocks

```html
<a href="http://www.state.nj.us">
  <div class="org no" data-colony="3">New
  Jersey</div>
</a>
```
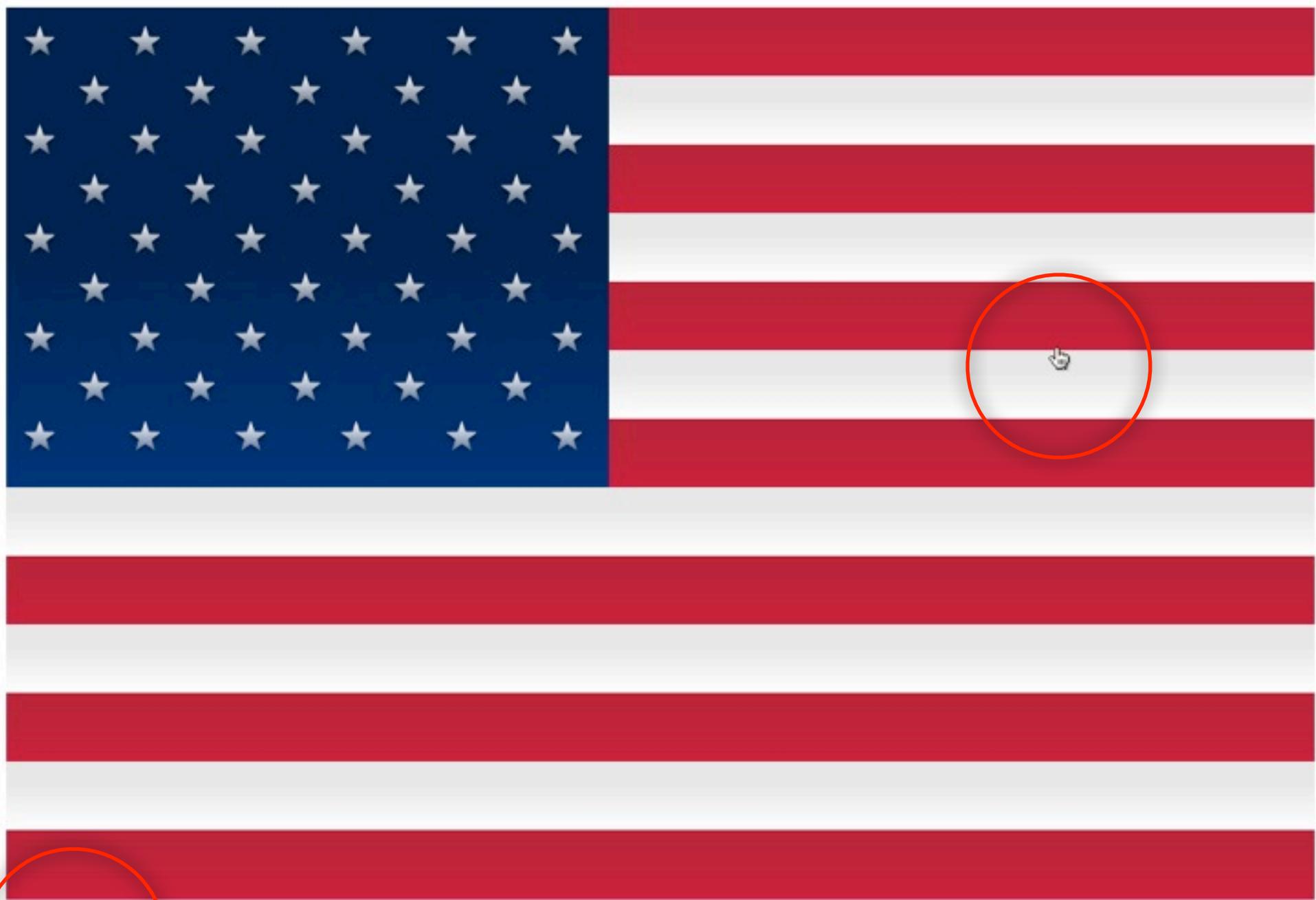
Transform & Final Touches

Transform Stars

```css
a.fn:hover {
  font-size: 4em;
  -webkit-transform: rotate(270deg);
  z-index: 100;
}
```

file:///Users/christopher/Dropbox/Work/Presentations/2010%20CSS3%20Flag/Example/css3flag_

Google

Transform Stars

```css
a.fn:hover {
  font-size: 4em;
  -webkit-transform: rotate(270deg)
translate(1em,-1em);
  z-index: 100;
}
```

file:///Users/christopher/Dropbox/Work/Presentations/2010%20CSS3%20Flag/Example/css3flag_
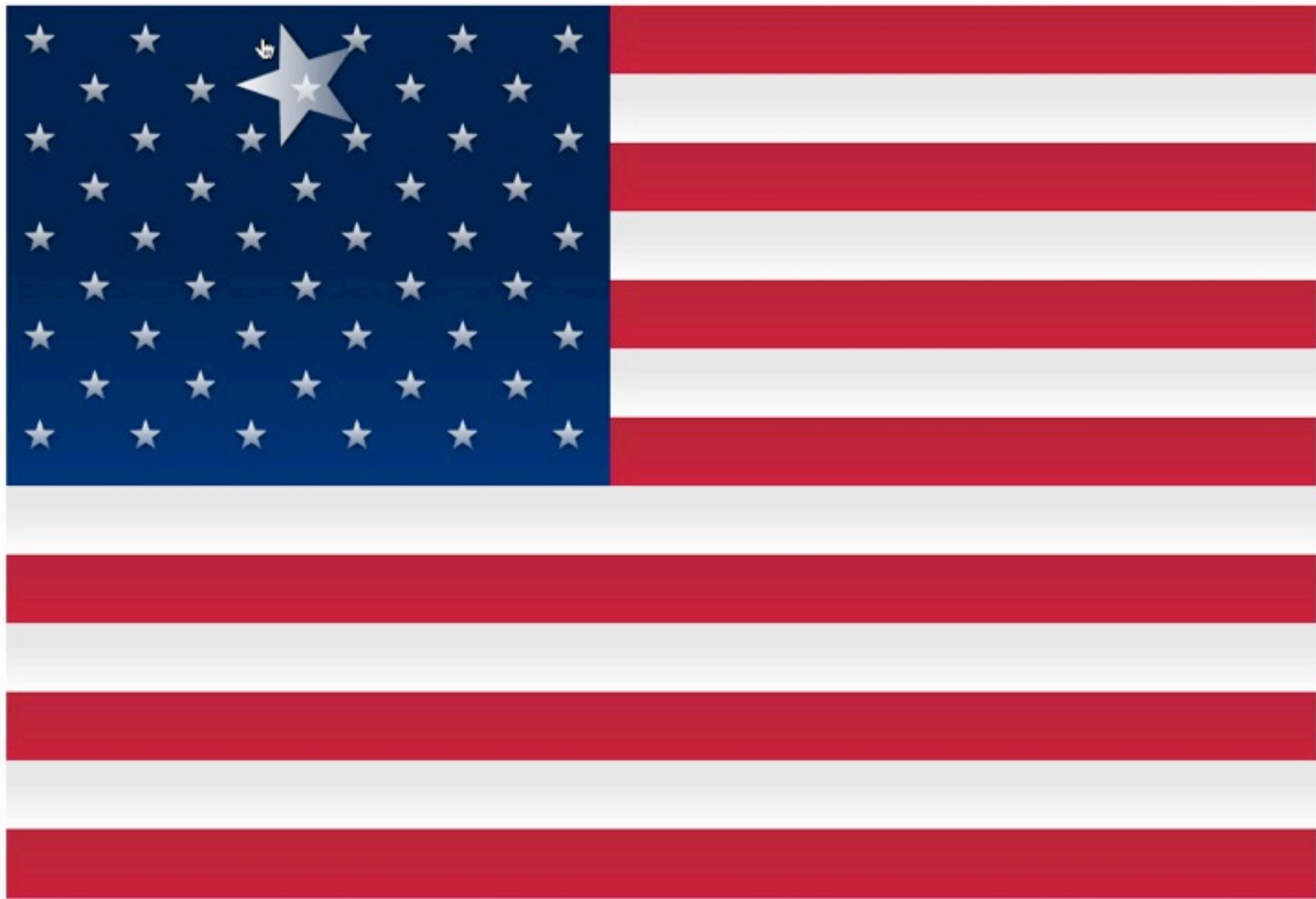
Transform Stars

```
a.fn:hover {
  font-size: 4em;
  -webkit-transform: rotate(270deg)
translate(1em,-1em);
  z-index: 100;
}
li:nth-child(2n) a.fn:hover {
  font-size: 4em;
  -webkit-transform: rotate(-270deg)
translate(-1em,1em);
  z-index: 100;
}
```
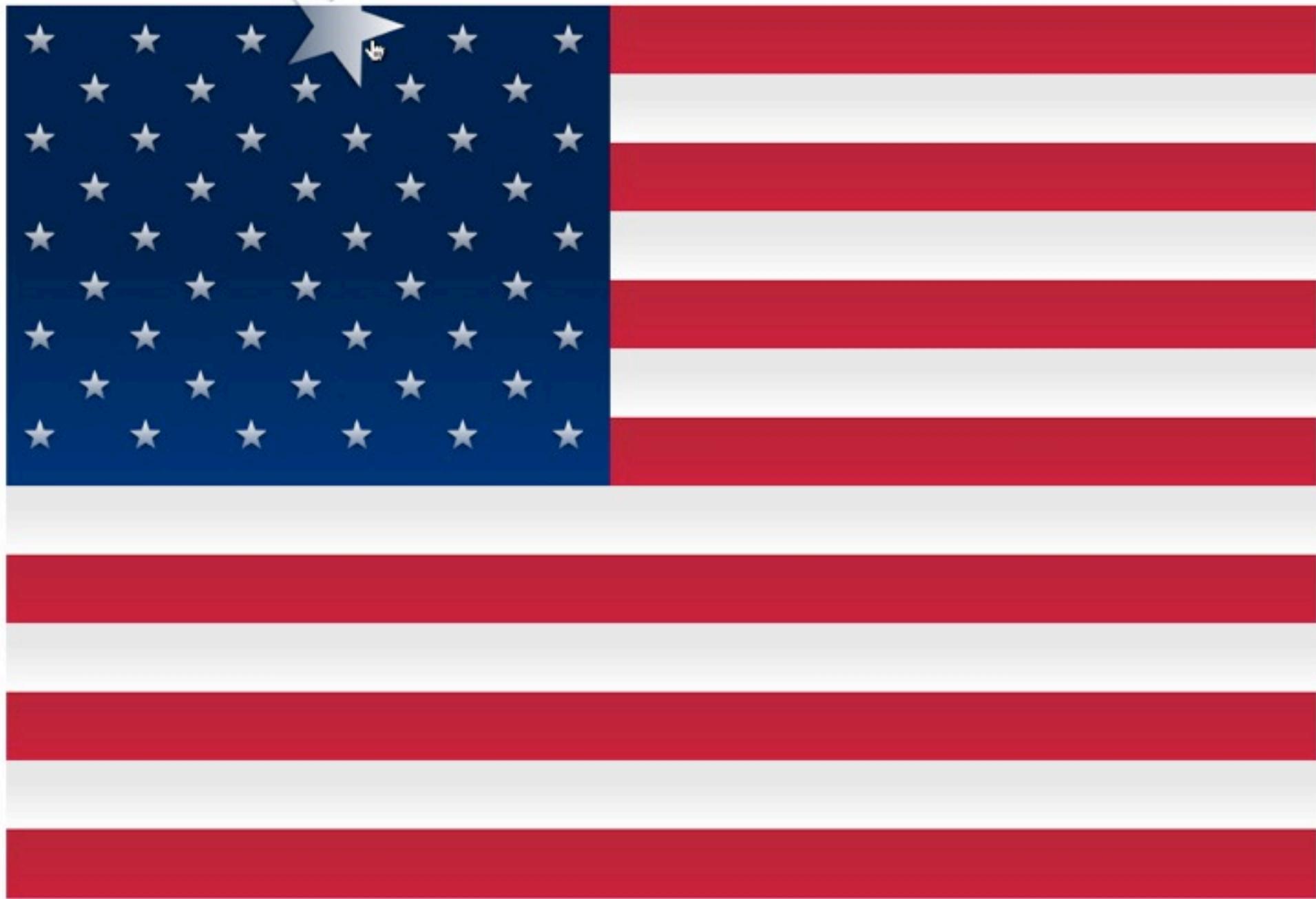
transform-origin

- How does something rotate?

- Default is center of the object

  - but you can set the values like background-position to change the origin point

  - webkit-transform-origin: 100% 0;

Box-Shadow

```css
article {
  display: block;
  width: 955px;
  margin: 0 auto;
  position: relative;
  height: 650px;
  -webkit-box-shadow: 0px .4em .4em black;
}
```
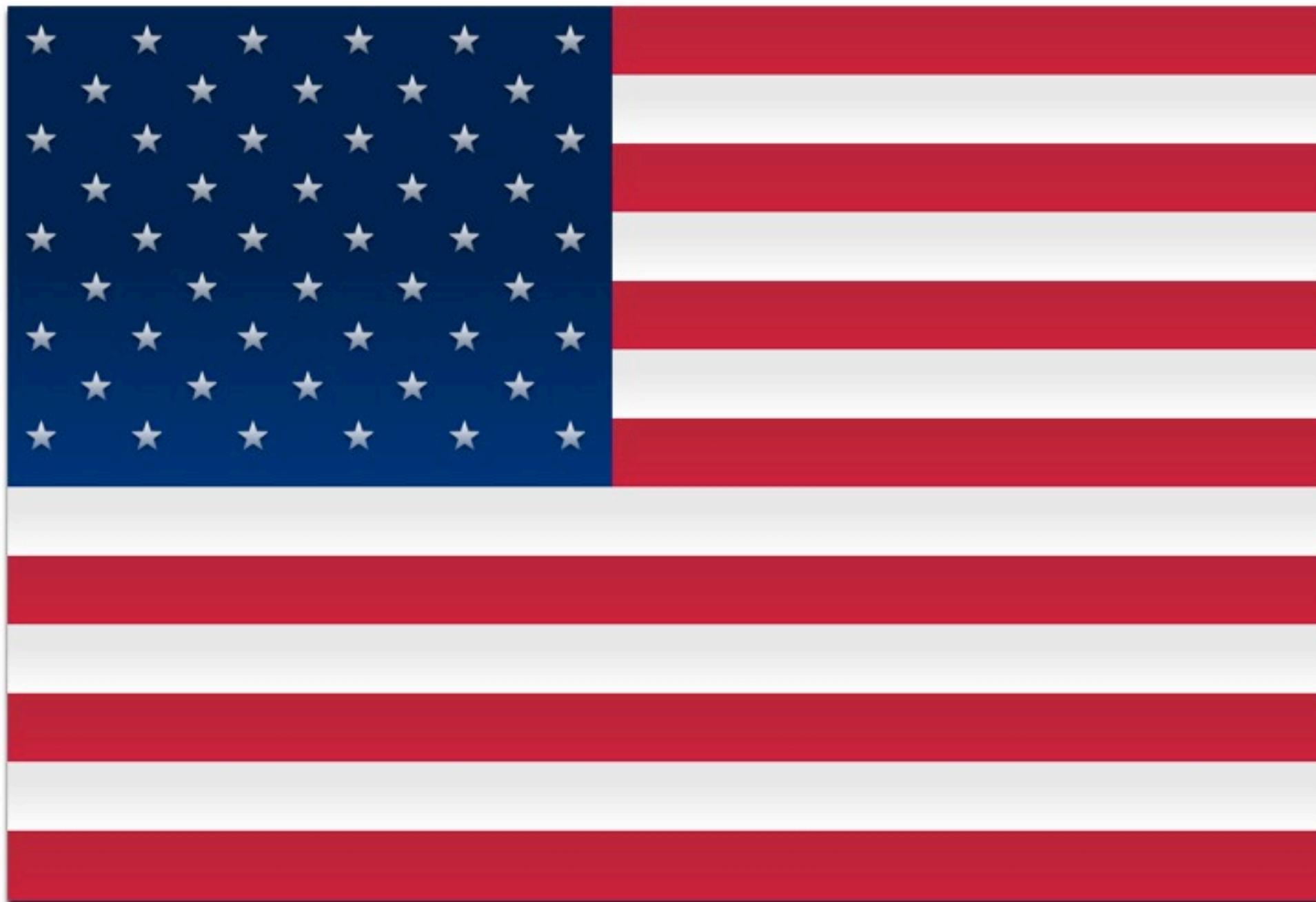
Fireworks

Fireworks

- What's the 4th of July without some fireworks?

- Let's first get two images

  - Colorful image

  - Firework mask

Multiple Background Images

```css
body {
  margin: 5%;
  padding: 0;
  font-size: 67.5%;
  background-image:  url("fireworks.png"),
url("bkgd.jpg");
  background-position: -40% -20%, center;
}
```
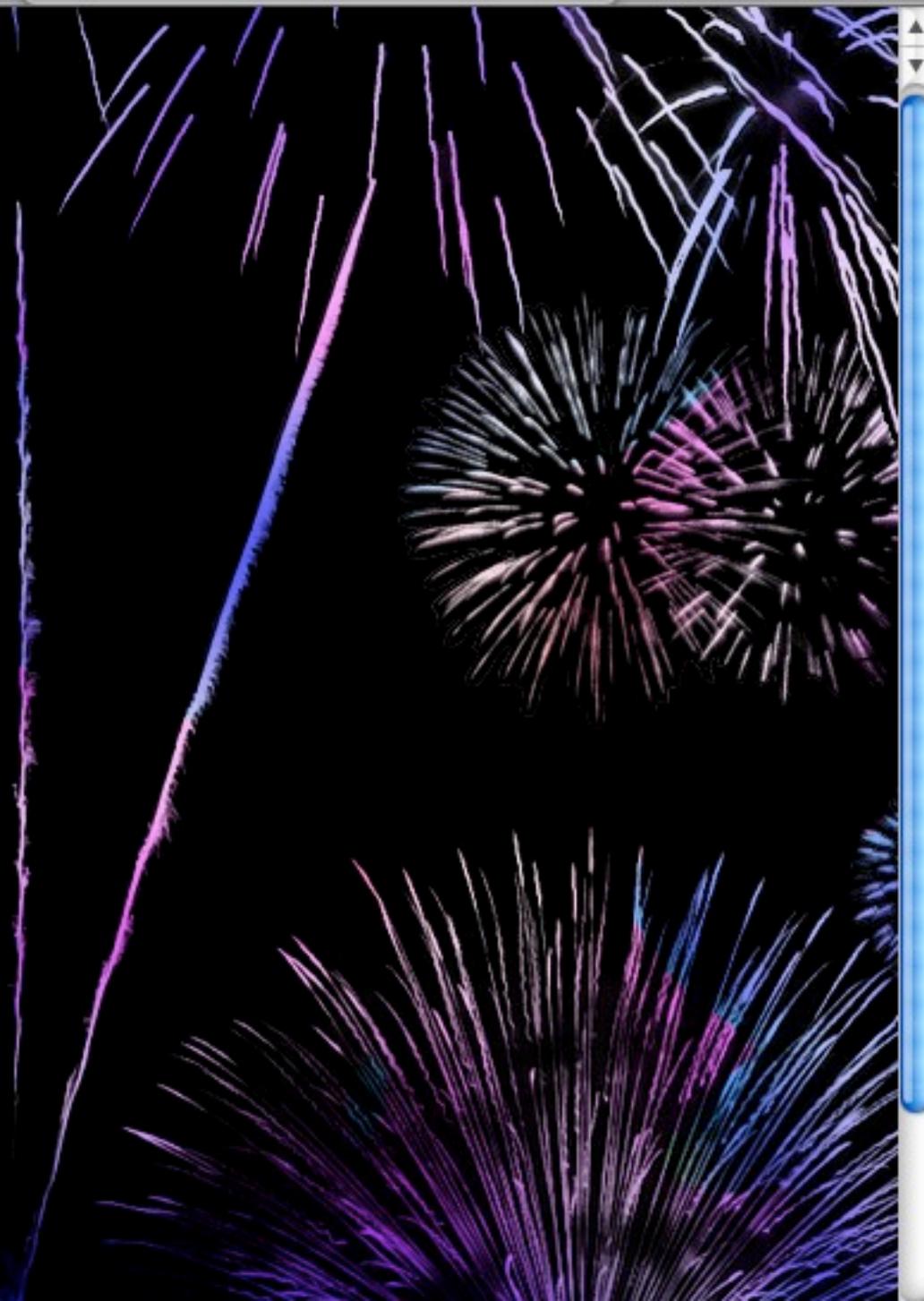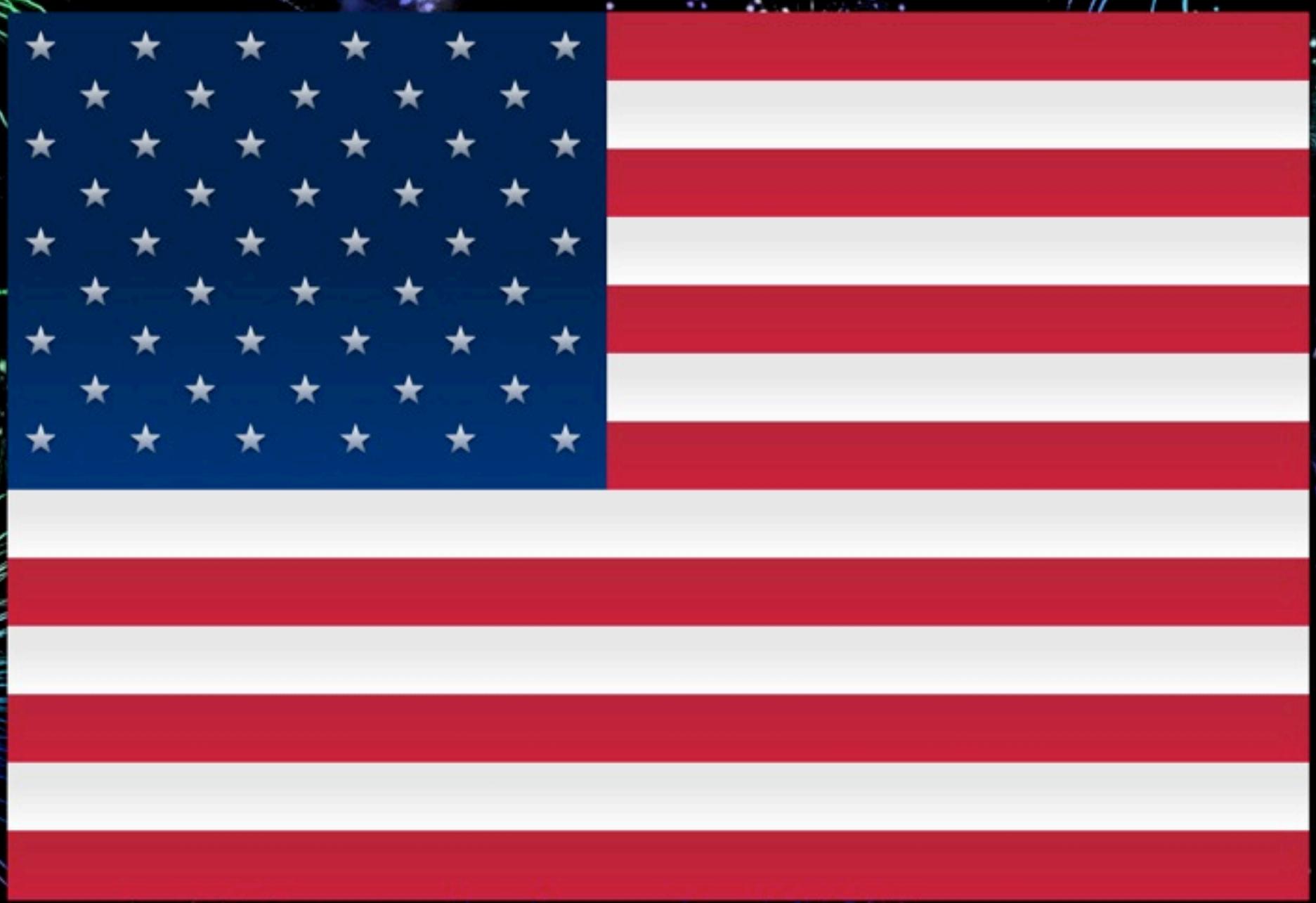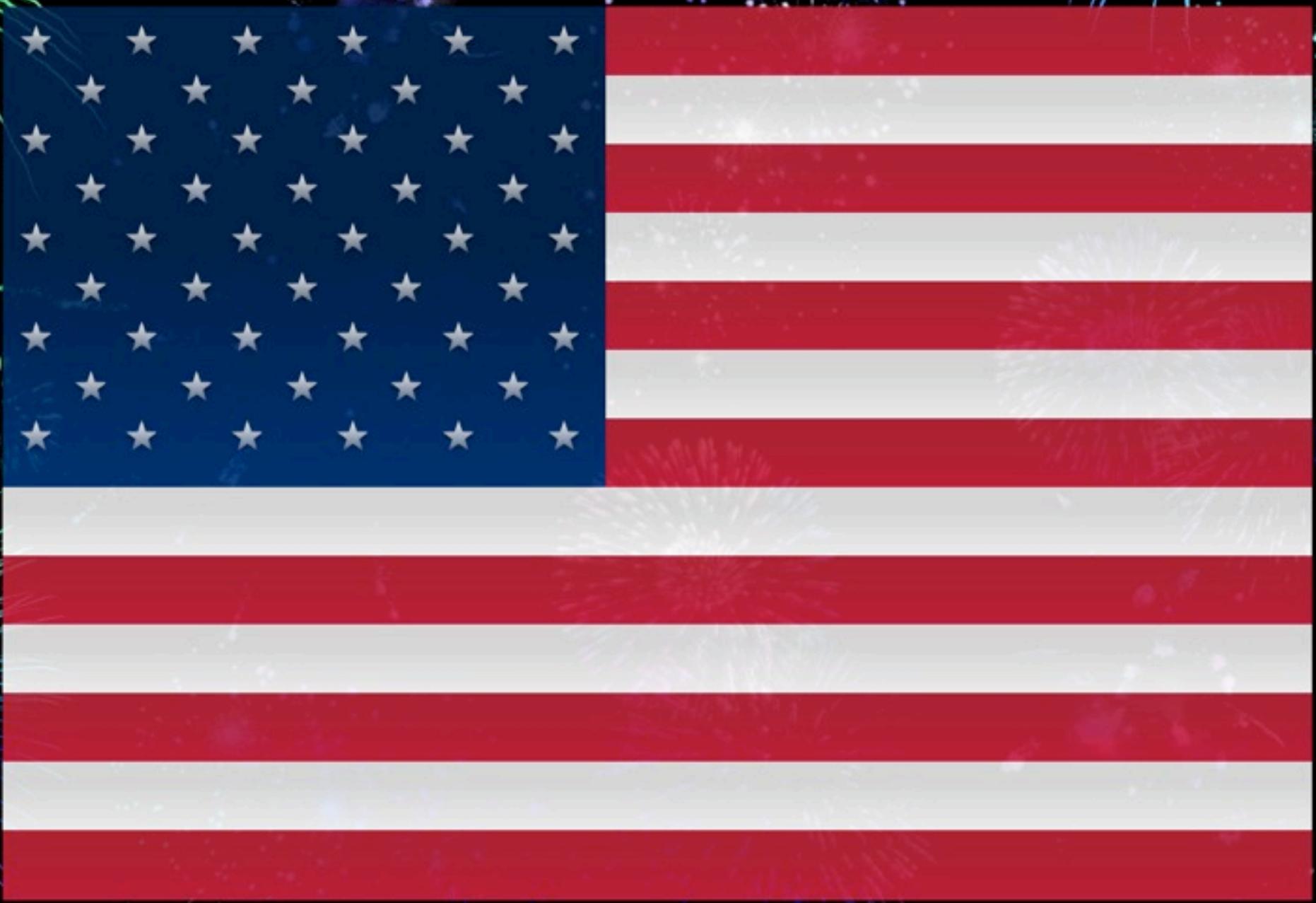
every now and then, testing what we know **decreases** our limitations and expands our skill set

More Resources

- Gradients on text; http://nicewebtype.com/notes/2009/07/24/pure-css-text-gradient-no-pngs/

- Differences between HTML4 and HTML5: http://www.viget.com/inspire/recapping-the-w3cs-html5-differences-from-html4-document/

More Resources

- Can I Use - http://caniuse.com

- InstaCSS - http://instacss.com/

- CSS Tricks - http://css-tricks.com

THANK YOU!

Christopher Schmitt
http://twitter.com/@teleject
ChristopherSchmitt.com

CSS3
WORKSHOP

FRONTEND MASTERS

Christopher Schmitt
http://twitter.com/**@teleject**

WHO AM I?

- Web design specialist, trainer

- Organize online & offline Web design conferences

- Author of *Designing CSS Web Pages*

- Author of *CSS Cookbook, 3rd Edition*

- http://ChristopherSchmitt.com

TODAY'S **AGENDA**

- **What is CSS3?**

- **Explore new CSS3 selectors, properties**

  - **(and some other things, too)**

- **How to make them cross-browser, when possible**

- **Tinker with CSS3 examples on our own**

- **Look at resources to help include CSS3 into your designs**

3

WHAT IS CSS3?

http://www.w3.org/Style/CSS/current-work

Activities • Tech. reports • Site index • Translations • Software • Search • Nearby: • Style • Blog
• Syndicator • CSS •

Local links

What's new?

Contributing

Test suites

non-CSS

Profiles

About the colors

Blog

CASCADING STYLE SHEETS
CURRENT WORK

This p...
Sheets...
develo...
according to their priority within the working group. (See explanation.)

~50 CSS3 Modules

High Priority	Current	Upcoming
CSS Level 2 Revision 1	Candidate Recommendation	Proposed Recommendation
Selectors	Proposed Recommendation	Recommendation
CSS Mobile Profile 2.0	Candidate Recommendation	Proposed Recommendation
CSS Marquee	Candidate Recommendation	Proposed Recommendation
Medium Priority	**Current**	**Upcoming**
CSS Snapshot 2007	Last Call	Candidate Recommendation
CSS Namespaces	Candidate Recommendation	Proposed Recommendation
CSS Paged Media	Last Call	Last Call
CSS Print Profile	Last Call	Candidate Recommendation
CSS Values and Units	Working Draft	Working Draft

http://www.w3.org/Style/CSS/current-work#CSS3

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WHERE IS CSS3 COMING?

- **The specification is divided into different chunks, modules**

  - **http://www.w3.org/Style/CSS/current-work**

    - **Transformations**

    - **Animations**

    - **Media Queries**

    - **and so on, and so on...**

    - **at a glacial pace ever towards yesterday**

WHERE IS CSS3 COMING?

- **The specification is divided into different chunks, modules**

  - **http://www.w3.org/Style/CSS/current-work**

- **The specification is being written by W3C**

  - **http://www.w3.org/Style/CSS/**

WHERE IS CSS3 COMING?

- **The specification is divided into different chunks, modules**

  - **http://www.w3.org/Style/CSS/current-work**

- **The specification is being written by W3C**

  - **http://www.w3.org/Style/CSS/**   W3C css ✓

- **Browser vendors (like Firefox, Safari, and Opera) are implementing their own versions of these unfinished standards**

  - **IE9 is "bringing the power of PC hardware and Windows"**

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EXPLORING CSS3 (AND STUFF)

COLOR

COLOR: OPACITY ON BACKGROUND COLORS (RGBA)
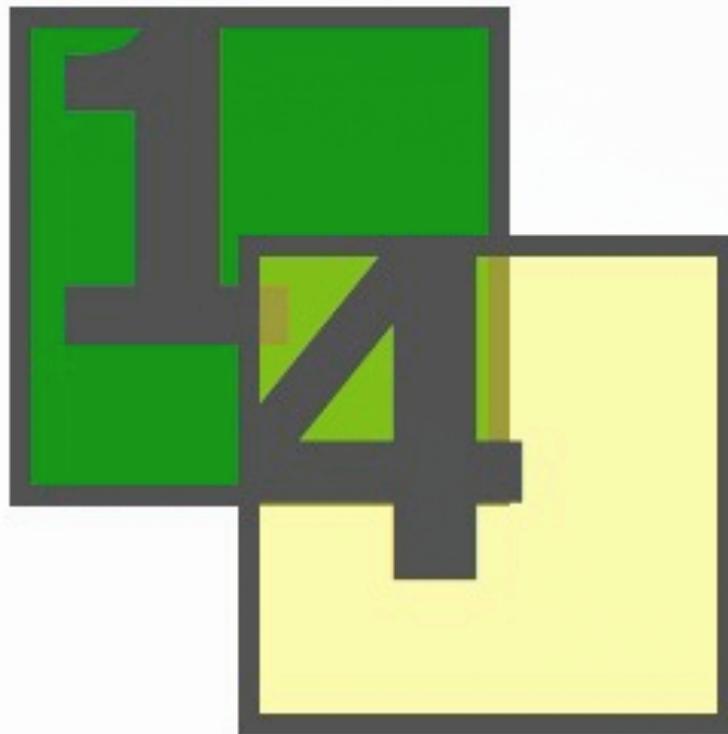
OPACITY

#number4 {
 background-color: **rgba(255, 255, 0, .4)**;
}

OPACITY

```
#number4 {
 background-color: rgb(255, 255, 0);
 background-color: rgba(255, 255, 0, .4);
}
```

LESSONS LEARNED

- **Firefox 3+, Opera 10+, IE9+, and Safari support RGBA**

- **Requires another background-color property for cross-browser support.**

- **IE Support?**

OPACITY IN IE

```
#number4 {
  background-color: transparent;
  filter:progid:DXImageTransform.Microsoft.gradient(
    startColorstr=#66FFFF00,
    endColorstr=#66FFFF00
    );
}
```

OPACITY IN IE

- **First step is to convert the RGB value of the color to hexadecimal. In this example, rgb(255,255,0) converts to #FFFF00.**

- **Next, convert the alpha transparency value to hexadecimal string . In this example, the value is 66.**

  - **E.g., alpha value of .3 equals 4D in hexadecimal values**

- **Then assemble the hexadecimal value for transparency and the color together in one string, starting with the transparency: #66FFFF00.**

OPACITY ON ELEMENTS
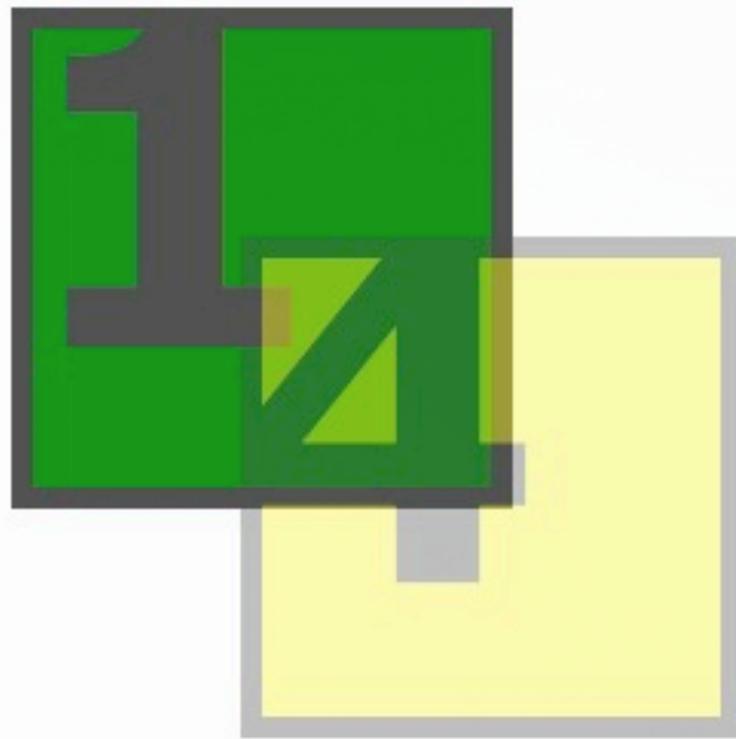
OPACITY ON ELEMENTS

```
#number4 {
  opacity: .4; /* .4 = 40% transparency */
  filter: alpha(opacity=40);  /* 40 = 40%
transparency */

}
```

LESSONS LEARNED

- Supported in Firefox 1.5+, Opera 9+, Safari 1.2+ and Chrome.

- IE 5.5-8 requires the use of its own alpha filter in order for the effect to be cross-browser.

- A drawback to using the opacity filter is that the value is inherited:

  - If a parent element is set to be 10% transparent, the child elements' transparency is also going to be 10%.

  - Watch out for legibility issues within the Web page.

TEXT

TEXT-OVERFLOW

PNEUMONOULTRAMICROSCOPICSILICOVOLCANOCONIOSIS

The longest word in the Oxford English dictionary is used to name a lung disease caused by the inhalation of very fine silica dust, causing inflammation in the lungs.

file:///Users/christopher/Documents/

CSS Cookbook

Christopher Schmitt : Desig...
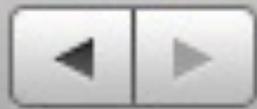
The doctor says I have
Pneumonoultramicro…
and I should buy a
dictionary.

The doctor says I ha…

TEXT-OVERFLOW

```
p {
 text-overflow: ellipsis;
 -o-text-overflow: ellipsis;
}
```

LESSONS LEARNED

- Support:

  - Safari 3.2+

  - Opera 11+

  - Firefox 7+

  - and IE 6+

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TEXT-SELECTION

The Lorem Ipsum & Dolor

Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismo tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, qu nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequa autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illun eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praes luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

E Pluribus Unum

Epsum factorial non deposit quid pro quo hic escorol. Olypian quarrels et gorilla congoliu nauseum. Souvlaki ignitus carborundum e pluribus unum. Defacto lingo est igpay atinlay. selectus non provisio incongruous feline nolo contendre. Gratuitous octopus niacin, sodiu glutimate. Quote meon an estimate et non interruptus stadium. Sic tempus fugit esperanto estrogen. Glorious baklava ex librus hup hey ad infinitum. Non sequitur condominium fac geranium incognito. Epsum factorial non deposit quid pro quo hic escorol. Marquee selec provisio incongruous feline nolo contendre Olypian quarrels et gorilla congolium sic ad na

TEXT-SELECTION PSEUDO-ELEMENT

```
::selection {
 color: #90c;
 background: #cf0;
}
::-moz-selection {
 color: #90c;
 background: #cf0;
}
```

LESSONS LEARNED

- Support:

  - Safari 1.1+

  - Firefox 1.5+ (needs -moz-)

  - Opera 9.5+

  - IE9+

- Nice subtle effect, esp. if you deal with a lot of text on your site.

TEXT COLUMNS

THE LOREM IPSUM & DOLOR

Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum

dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

E Pluribus Unum

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pluribus unum. Defacto lingo est igpay atinlay. Marquee selectus non provisio incongruous feline nolo contendre. Gratuitous octopus niacin, sodium glutimate. Quote meon an estimate et non interruptus stadium. Sic tempus fugit esperanto hiccup estrogen. Glorious baklava ex librus hup hey ad infinitum. Non sequitur condominium facile et geranium incognito.

Epsum factorial non deposit quid pro quo hic escorol. Marquee selectus non provisio incongruous feline nolo contendre Olypian quarrels et gorilla congolium sic ad nauseum. Souvlaki ignitus carborundum e pluribus unum.

Plu Sommun Paroles

Li Europan lingues es membres del sam familie. Lor separat

existentie es un myth. Por scientie, musica, sport etc., li tot Europa usa li sam vocabularium. Li lingues differe solmen in li grammatica, li pronunciation e li plu commun vocabules. Omnicos directe al desirabilita de un nov lingua franca: on refusa continuar payar custosi traductores. It solmen va esser necessi far uniform grammatica, pronunciation e plu sommun paroles.

Copyright whatever

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TEXT COLUMNS

<div id="column">

 <p>…<p>
 <h2>…</h2>
 <p>…<p>
 <h2>…</h2>
 <p>…<p>
</div>

TEXT COLUMNS

```
#column {
 -moz-column-gap: 3em;
 -moz-column-width: 11em;
 -webkit-column-gap: 3em;
 -webkit-column-width: 11em;
 padding: 10px;
}
```

TEXT COLUMNS

```
#column {
-moz-column-gap: 3em;
-moz-column-width: 11em;
-moz-column-rule: 1px solid #ccc;
-webkit-column-gap: 3em;
-webkit-column-width: 11em;
-webkit-column-rule: 1px solid #ccc;
padding: 10px;
}
```

LESSONS LEARNED

- Works in Opera 11+, Safari, IE 10,

- Proprietary CSS extensions in Firefox and Safari.

- JavaScript solution through a jQuery plugin: http://welcome.totheinter.net/2008/07/22/multi-column-layout-with-css-and-jquery/
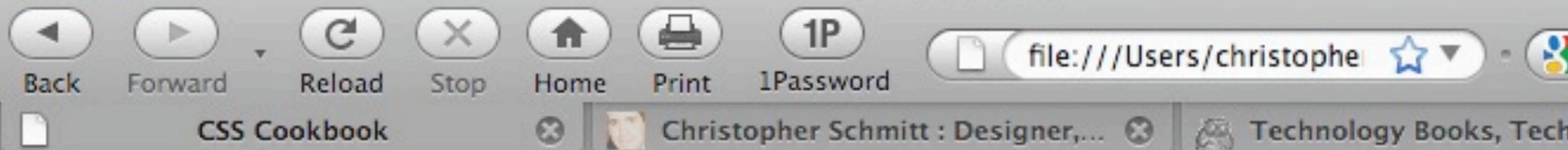
@FONT-FACE

The Lorem Ipsum & Dolor

Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincidunt ut magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper sus ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit ess consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qu luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

E Pluribus Unum

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Plu Sommun Paroles

FONT FILE SUPPORT

	.ttf	.otf	.eot
Safari 3.1+	Y	Y	
Opera 10+	Y	Y	
Firefox 3.5+	Y	Y	
IE4+			Y

@FONT-FACE

```
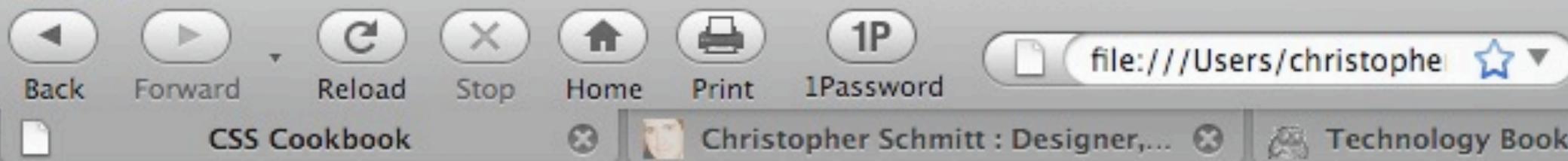@font-face {
 font-family: 'MyFontFamily';
 src: url('myfont-webfont.eot'); /* IE9 Compat Modes */
 src: url('myfont-webfont.eot?iefix') format('eot'), /* IE6-IE8 */
 url('myfont-webfont.woff') format('woff'), /* Modern Browsers */
 url('myfont-webfont.ttf')  format('truetype'), /* Safari, Android,
iOS */
 url('myfont-webfont.svg#svgFontName') format('svg'); /* Legacy
iOS */
    }
h1 {
 font-family: "MyFontFamily", Verdana, sans-serif;
}
```

http://paulirish.com/2009/bulletproof-font-face-implementation-syntax/

LESSONS LEARNED

- Getting @font-face to work is a little tough.

  - Use http://fontsquirrel.com for pre-made kits, @font-face generator

- Chrome supports @font-face

- Don't feel like bothering with all that hassle?

  - Use font services like typekit.com for 100s of licensed fonts.

  - Use commercially free fonts (see http://fontsquirrel.com)

LESSONS LEARNED

- Font files are LARGE

  - gzip them, if you use them:
    http://articles.sitepoint.com/article/web-site-optimization-steps/2

- New font file format: WOFF:
  http://hacks.mozilla.org/2009/10/woff/

  - Font files are already compressed and supports meta information telling where the font came from. (Vendors happy.)

  - It's supported FF3.6+, IE9+, Chrome 5+, Safari 5.1+

OH? YOU WANT "*ITALICS*"?

```
@font-face {
 font-family: 'MyFontFamilyItalic';
 src: url('myfont-webfont-italic.eot'); /* IE9 Compat Modes */
 src: url('myfont-webfont-italic.eot?iefix') format('eot'), /* IE6-IE8 */
 url('myfont-webfont-italic.woff') format('woff'), /* Modern Browsers */
 url('myfont-webfont-italic.ttf')  format('truetype'), /* Safari, Android, iOS */
 url('myfont-webfont-italic.svg#svgFontName') format('svg'); /* Legacy iOS */
     }
```

http://www.fontspring.com/blog/further-hardening-of-the-bulletproof-syntax

TEXT-SHADOW

A Good Sleepy is a Good Thing Indeed

I had to wake up early for the dentist appointment this morning. Why is it that on the day I have to wake up really early it i with a good sleep? I had the blankets right where they were the most comfortable, too.

If that ever happens, our society should allow you to tell the other person you were late because you realized you in the mid good sleepy". It's the positive version of "I was in a car accident."

Try the phrase out, see how it works and report back to me.

TEXT-SHADOW

```
h1 {
  font-size: 2.5em;
  font-family: Myriad, Helvetica, Arial, sans-serif;
  width: 66.6%;
  text-shadow: yellow .15em .15em .15em;
  margin: 0 0 0.1em 0;
}
```

The Lorem Ipsum *&* Dolor

Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tin magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamc ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dign luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

E Pluribus Unum

Epsum factorial non deposit quid pro quo hic escorol. Olypian quarrels et gorilla congolium si ignitus carborundum e pluribus unum. Defacto lingo est igpay atinlay. Marquee selectus non p nolo contendre. Gratuitous octopus niacin, sodium glutimate. Quote meon an estimate et non i tempus fugit esperanto hiccup estrogen. Glorious baklava ex librus hup hey ad infinitum. Non facile et geranium incognito. Epsum factorial non deposit quid pro quo hic escorol. Marquee s incongruous feline nolo contendre Olypian quarrels et gorilla congolium sic ad nauseum. Souv pluribus unum.

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BEVEL TEXT-SHADOW

```css
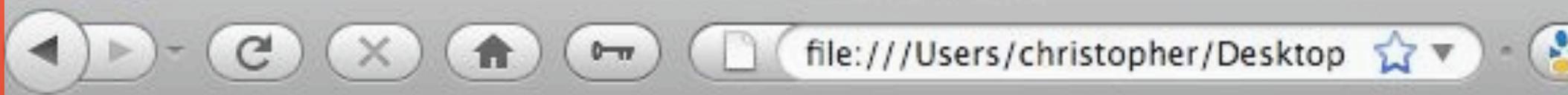body {
 background-color: #999;
}
h1 {
 text-shadow: 0 1px 0 rgba(255,255,255,.6);
}
```

The Lorem Ipsum & Dolor

Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy nibh euismod tincid
magna aliquam erat volutpat. Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorp
ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate ve
consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio digniss
luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

E Pluribus Unum

Epsum factorial non deposit quid pro quo hic escorol. Olypian quarrels et gorilla congolium sic a
ignitus carborundum e pluribus unum. Defacto lingo est igpay atinlay. Marquee selectus non prov
nolo contendre. Gratuitous octopus niacin, sodium glutimate. Quote meon an estimate et non inte
tempus fugit esperanto hiccup estrogen. Glorious baklava ex librus hup hey ad infinitum. Non seq
facile et geranium incognito. Epsum factorial non deposit quid pro quo hic escorol. Marquee sele
incongruous feline nolo contendre Olypian quarrels et gorilla congolium sic ad nauseum. Souvlak
pluribus unum.

TEXT-SHADOW FLAME

```
h1 {
 color: red;
 text-shadow: rgba(0, 0, 0, .9) 0px 0px 1px,
  rgba(255, 255, 51, .9) 0px -5px 5px,
  rgba(255, 204, 51, .7) 2px -10px 7px,
  rgba(255, 153, 0, .6) -2px -15px 10px;
}
```

Bookmarketlets ▾　In Control Conference ▾　FontFriend　CSS Prism　ChoiceTweets　Twitshirt This!

CSS Cookbook

The Lorem Ipsum & Dolor

SOLAR TEXT-SHADOW

```css
body {
  background-color: #dcaa96; /* not white */
  background-image: url(tile.jpg);
}
h1 {
 color: white;
 text-shadow: black 0px 0px 6px;
}
```

BORDERS

🕶️

BOX-SHADOW
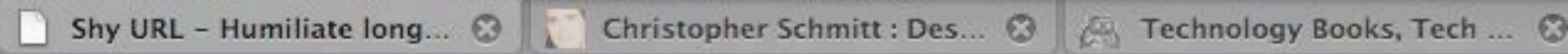
BOX-SHADOW

```css
#header {
text-shadow: 0 -1px 0 rgba(0,0,0,.8);
box-shadow: 3px 3px 19px rgba(0,0,0,.8);
-webkit-box-shadow: 3px 3px 19px rgba(0,0,0,.8);
-moz-box-shadow: 3px 3px 19px rgba(0,0,0,.8);
}
```

BORDER-IMAGE

Images on Borders

Epsum factorial non deposit quid pro quo hic escorol. Olypian quarrels et gorilla congolium sic ad nauseum. Souvlaki ignitus carborundum e pluribus unum..

BORDER-IMAGE

<div id="section">
<h2>Images on Borders</h2>
<p>Epsum factorial non deposit quid pro quo hic escorol.
Olypian quarrels et
gorilla congolium sic ad nauseum. Souvlaki ignitus
carborundum
e pluribus unum..</p>
</div><!-- /#section -->

BORDER-IMAGE

#section {
 border-style: solid;
 border-color: #930;
 border-width: 26px 39px 37px 43px;
 border-image: url(frame.png) 26 39 37 43 stretch stretch;
 -webkit-border-image: url(frame.png) 26 39 37 43 stretch stretch;
 -moz-border-image: url(frame.png) 26 39 37 43 stretch round;
}

LESSONS LEARNED

- Works in FF 3.1+ and Safari 4+, IE 10

- Image is scaled, if text is also scaled.

file:///Users/christopher/Desktop

CSS Cookbook   Christopher Schmitt : D...   Technology Books, Tech

SUBMIT

BORDER-IMAGE

```
<form action="/" method="get">
 <button>Submit</button>
</form>
```

BORDER-IMAGE

```
button {
background: none;
width: 250px;
padding: 10px 0 10px 0;
border-style: solid;
border-color: #666;
border-width: 0 17px 0 17px;
}
```

BORDER-IMAGE

```
button {
background: none;
width: 250px;
padding: 10px 0 10px 0;
border-style: solid;
border-color: #666;
border-width: 0 17px 0 17px;
border-image: url(bkgd-button.png);
}
```

BORDER-IMAGE

```
button {
background: none;
width: 250px;
padding: 10px 0 10px 0;
border-style: solid;
border-color: #666;
border-width: 0 17px 0 17px;
border-image: url(bkgd-button.png) 0 17 0 17 stretch stretch;
}
```

BORDER-IMAGE

button {
background: none;
width: 250px;
padding: 10px 0 10px 0;
border-style: solid;
border-color: #666;
border-width: 0 17px 0 17px;
border-image: url(bkgd-button.png) 0 17 0 17 stretch stretch;
-webkit-border-image: url(bkgd-button.png) 0 17 0 17 stretch stretch;
-moz-border-image: url(bkgd-button.png) 0 17 0 15 stretch stretch;
}

BORDER-IMAGE

```css
button {
background: none;
width: 250px;
padding: 10px 0 10px 0;
border-style: solid;
border-color: #666;
border-width: 0 17px 0 17px;
border-image: url(bkgd-button.png) 0 17 0 17 stretch stretch;
-webkit-border-image: url(bkgd-button.png) 0 17 0 17 stretch stretch;
-moz-border-image: url(bkgd-button.png) 0 17 0 15 stretch stretch;
color: white;
font-family: "Gill Sans", Trebuchet, Calibri, sans-serif;
font-weight: bold;
text-transform: uppercase;
text-shadow: 0px 0px 5px rgba(0,0,0,.8);
}
```

LESSONS LEARNED

- Works in FF 3.1+ and Safari 4+, IE 10

- Image is scaled, if text is also scaled.

- **Other values besides "stretch" are "repeat" (tiles the image); "round", which tiles and filled it with whole images; and "space", which is like "round" except it leaves empty space**

BORDER-RADIUS

73
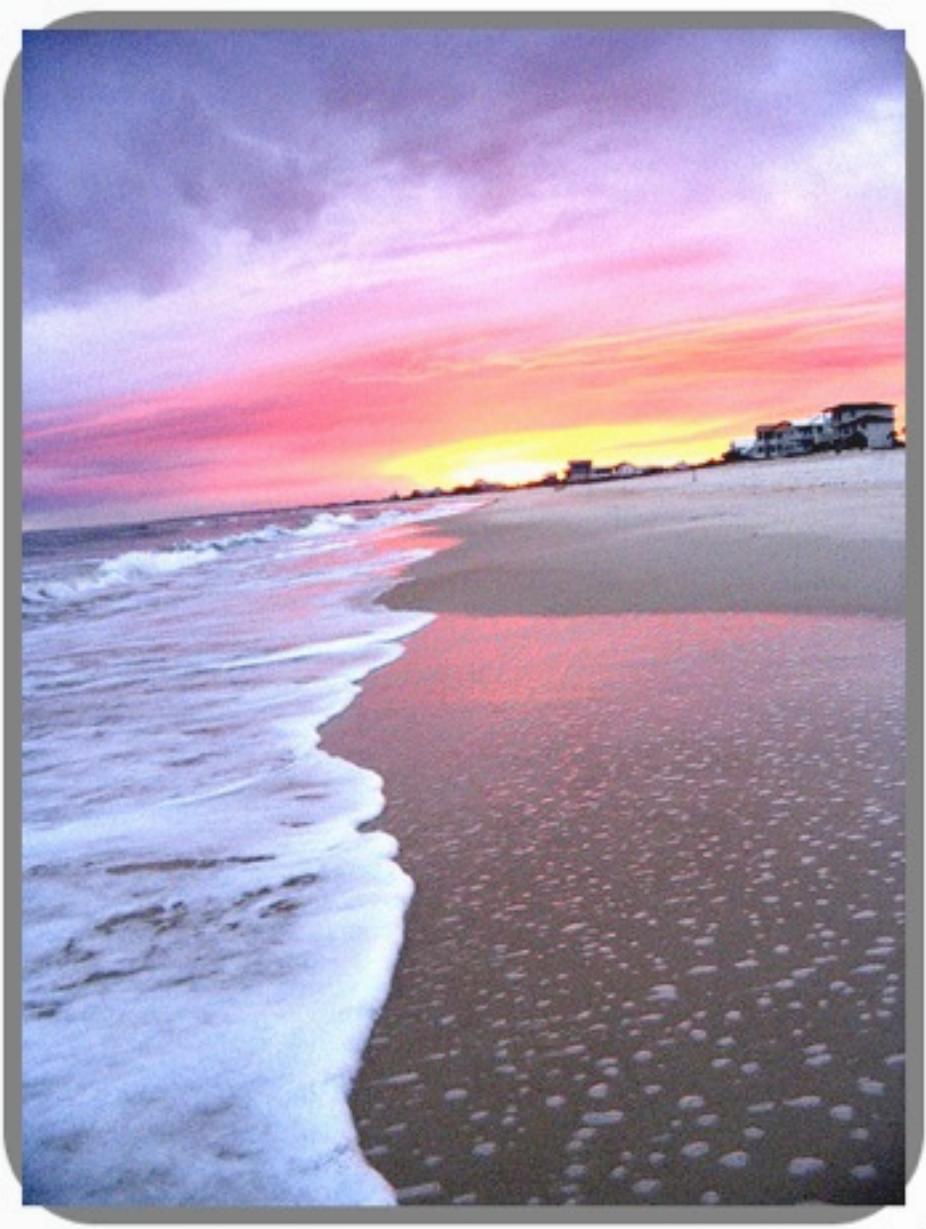
BORDER-RADIUS

```
div {
background-image: url(beach.jpg);
width: 375px;
height: 500px;
border: 8px solid #666;
border-radius: 40px;
-moz-border-radius: 40px;
-webkit-border-radius: 40px;
}
```

BORDER-RADIUS

CSS3	Firefox	WebKit
border-radius	-moz-border-radius	-webkit-border-radius
border-top-left-radius	-moz-border-radius-topleft	-webkit-border-top-left-radius
border-top-right-radius	-moz-border-radius-topright	-webkit-border-top-right-radius
border-bottom-right-radius	-moz-border-radius-bottomright	-webkit-border-bottom-right-radius
border-bottom-left-radius	-moz-border-radius-bottomleft	-webkit-border-bottom-left-radius

LESSONS LEARNED

- Radius is half the distance of the diameter. (Stay in school, kids!)

- Radius border can be applied to one, two, three or all corners.

- The higher the value for the radius, the more rounded the corner will be.

- If borders on an inline image (IMG element) are rather large, borders are shown behind the image (see previous screenshot).

  - Workaround is to either keep border-radius value small or place image in background.

EFFECTS

IMAGE MASKS
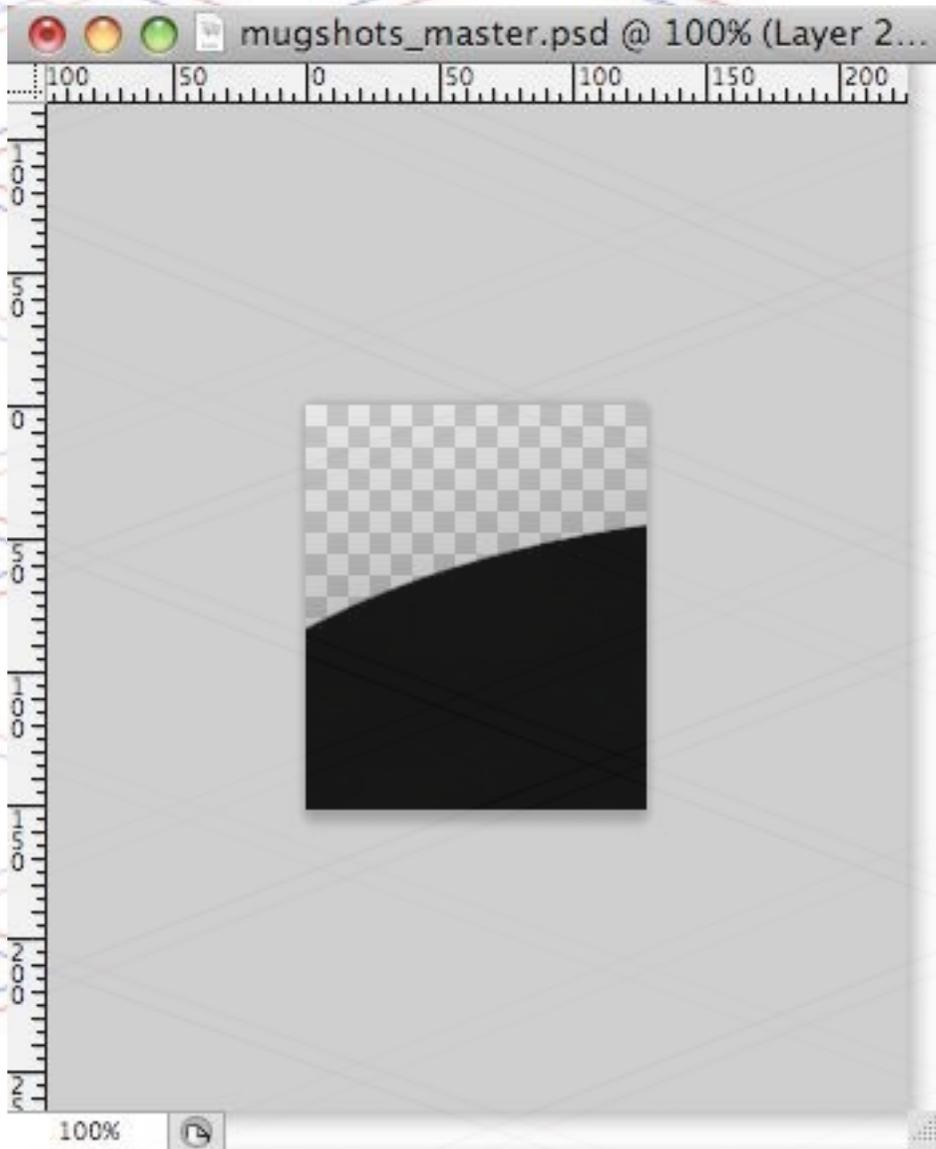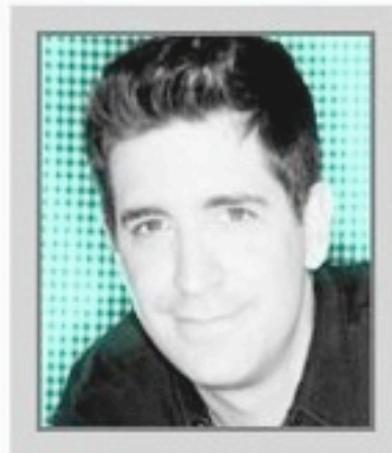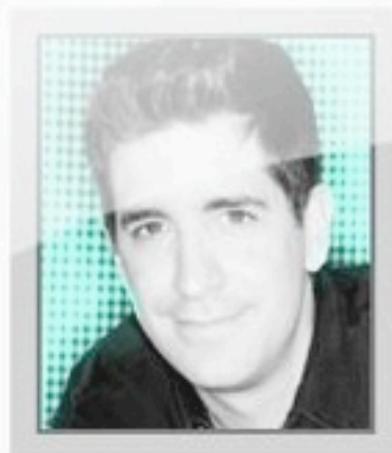
IMAGE MASKS

```
img {
display: block;
float: left;
margin-right:20px;
border: 10px solid #ccc;
padding: 2px;
background-color: #666;
-webkit-mask-box-image: url(mask.png);
}
```

LESSONS LEARNED

- When creating a mask, every part of the image that is transparent becomes the mask or the part that hides a portion of the background image.

  - Approach is somewhat hard to understand, since typically, alpha transparency is, well, transparent.

- The masks scale to the complete width of image, including borders.

- The background shows through, including background images.

  - Might work best with areas of flat color behind the images

GRADIENTS
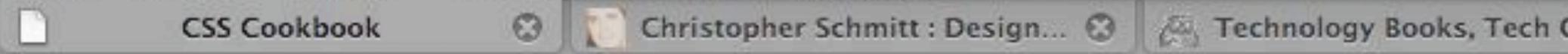
GRADIENTS

div.building {
border: 1px solid #666;
float: left;
width: 300px;
height: 300px;
margin: 20px;
background-image:
-webkit-gradient(radial,center center,900,center
bottom,0,from(#0cf),to(white));
background-image:
-moz-radial-gradient(center,900px,center
bottom,0,from(#0cf),to(white));
background-repeat: no-repeat;
}

SAFARI GRADIENTS

background-image:
   -webkit-gradient();

Recommend using background-image over background shorthand.

SAFARI GRADIENTS

background-image:
  -webkit-gradient(radial);

Other value it accepts is linear.

SAFARI GRADIENTS

background-image:
-webkit-gradient(radial,center center,900);

Set the starting position of gradient.

SAFARI GRADIENTS

background-image:
   -webkit-gradient(radial,center center,900,center bottom,0);

Set the end position of gradient.

SAFARI GRADIENTS

background-image:
  -webkit-gradient(radial,center center,900,center bottom,0,from(#0cf),to(white));

Set the starting and stopping colors.

LESSONS LEARNED

- Gradients in Safari can be applied to not just background images of block-level elements, but also:

    - list bullets, generated content, and border-images!

- Unit values aren't accepted (px, em, etc.) It's assumed to be pixels.

- Don't use background-position shorthand values.

- Use a background-image with a gradient for "older" browsers.

FIREFOX GRADIENTS

- Whereas Safari sets the type of gradient within its own proprietary property, Firefox has properties for both types of gradients: -moz-radial-gradient() and -moz-radiallinear().

- Unlike the Safari gradient, you can use background-position shorthand values *and* unit values when setting the starting and stopping points of gradients.

- Firefox's implementation of CSS gradients concerns transparency.

FIREFOX GRADIENTS

background-image: -moz-linear-gradient(left top, left bottom, from(**rgba(153,51,0,.3)**), to(#6b3703), color-stop(0.5, #903000));

◀ ▶ 1P ⊙ 📌 ◎ + 🌐 http://colorzilla.com/gradient-editor/ ⟳ 🔍▾ Google 🔴

Ultimate CSS Gradient Generator

A powerful Photoshop-like CSS gradient editor from ColorZilla.

Presets

Preview

Orientation: [horizontal ⬍]   Size: [350] x [50]   ☐ IE

CSS

```
background: rgb(30,87,153); /* old browsers */

background: -moz-linear-gradient(left,
    rgba(30,87,153,1) 0%, rgba(41,137,216,1) 50%,
    rgba(32,124,202,1) 51%, rgba(125,185,232,1)
    100%); /* firefox */

background: -webkit-gradient(linear, left top,
    right top, color-stop(0%,rgba(30,87,153,1)),
    color-stop(50%,rgba(41,137,216,1)), color-
    stop(51%,rgba(32,124,202,1)), color-
    stop(100%,rgba(125,185,232,1))); /* webkit */

filter: progid:DXImageTransform.Microsoft.gradient(
    startColorstr='#1E5799',
    endColorstr='#7db9e8',GradientType=1 ); /* ie */

background: -o-linear-gradient(left,
    rgba(30,87,153,1) 0%,rgba(41,137,216,1)
    50%,rgba(32,124,202,1) 51%,rgba(125,185,232,1)
    100%); /* opera */
```

Name: [Blue Gloss Default]   (new)

Stops

Color: [   ]   Location: [   ]%   (delete)

News: version 2 is here - see what's new.

n CSS

http://colorzilla.com/gradient-editor/

Share

🐦 Tweet   163   📘 Like   1K

Upholstery (939 B)
by Nate Eagle

Starry night (475 B)

Marrakesh (350 B)
by Divya Manian

Rainbow bokeh (1.05 KB)
by Auke Zwart

Carbon (497 B)
by Atle Mo (design), Sébastien Grosjean (code)

Carbon fibre (313 B)
by Atle Mo (design), Lea Verou (code)

http://lea.verou.me/css3patterns/
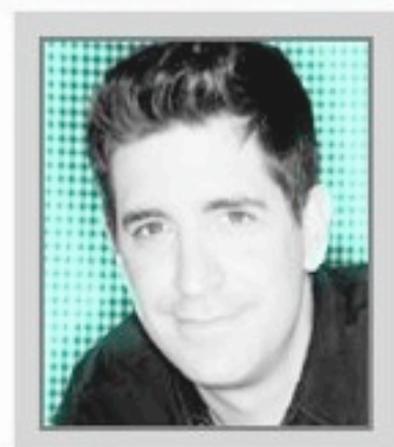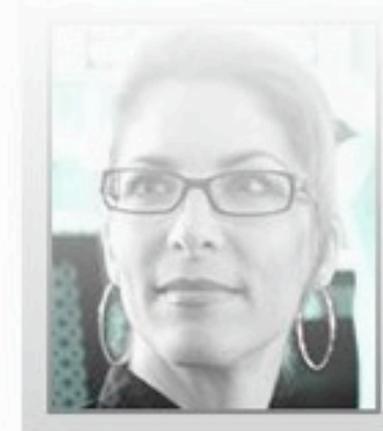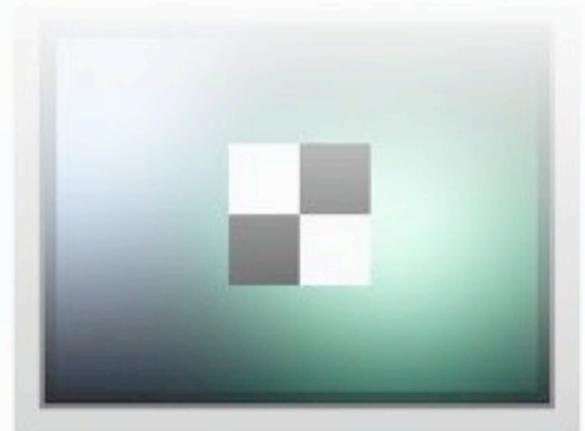
GRADIENT MASKS

GRADIENT MASKS

```
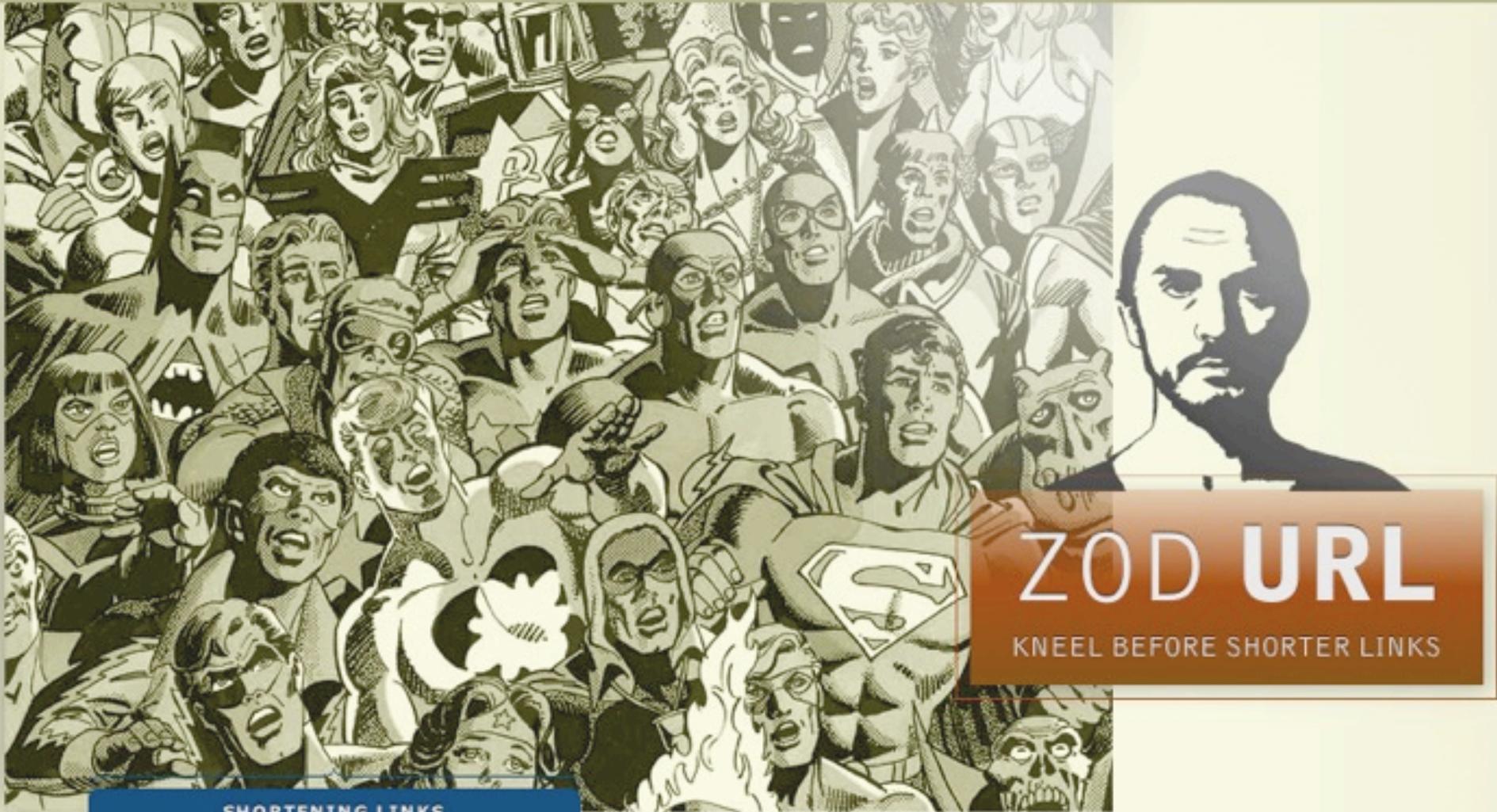img {
display: block;
float: left;
margin-right:20px;
border: 10px solid #ccc;
padding: 2px;
background-color: #666;
-webkit-mask-box-image:
    -webkit-gradient(linear, left bottom, left top,
from(rgba(0,0,0,1)), to(rgba(0,0,0,0)));
}
```

Only works in Safari.

Example of transparent gradients, border image, PNG8, text-shadow, box-shadow

TRANSFORM & ANIMATE

TRANSFORM

TRANSFORM

```
img+img {
 transform: rotate(270deg);
 -webkit-transform: rotate(270deg);
 -moz-transform: rotate(270deg);
 filter: progid:DXImageTransform.Microsoft.BasicImage(rotation=3);
}
```

TRANSFORM <IE9 CONVERSION

Degree Rotation	BasicImage filter value
0	0
90	1
180	2
270	3

ANIMATING LINKS

Site navigation:

- Home
- About
- Archives
- Writing
  - Releasing CSS
  - CSS Cookbook
- Speaking
- Contact

Li Europan Lingues

Sed sed nisi. Morbi gravida, odio posuere tortor elit eget est. Nulla l ultricies quis, rutrum dignissim, fe

Go to "file:///writing/releasing-css"

Site navigation:

- Home
- About
- Archives
- Writing
  - Releasing CSS
  - CSS Cookbook
- Speaking
- Contact

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Go to "file:///writing/"

Site navigation:

- Home
- About
- Archives
- Writing
  - Re
  - CS
- Speaking
- Contact

Li Europa

Sed sed nisi. M
posuere tortor e
ultricies quis, ru

Go to "file:///archiv

ANIMATING LINKS

#navsite a {
 -webkit-transition-timing-function: linear;
 -webkit-transition-duration: .66s;
 -webkit-transition-property: background-color;
}

Style rollover links normally.

LESSONS LEARNED

- **The transitioning-timing-function function states the type of animation the effect is going to take.**

  - **In this example, the value is set to linear, which means each frame of the animation length takes the same amount of time.**

  - **Other values for transitioning-timing-function include ease, ease-in, ease-out, and cubic-bezier(x1, y1, x2, y2).**

109
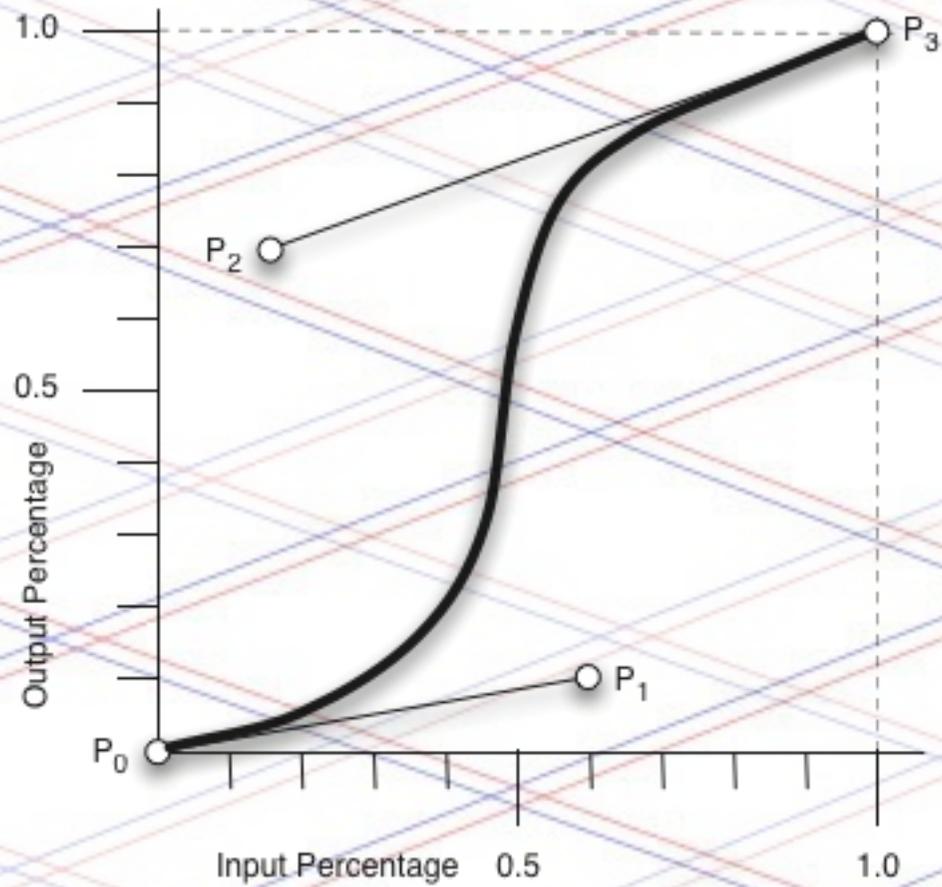
cubic-bezier(x1, y1, x2, y2)

- **The first two values of cubic-bezier represent the transition on a curve, as shown in the figure.**

  - **Values for y1 and y2 represent the start and end of the transition and are always equal to the values of 0.0 and 1.0, respectively.**

  - **The speed with which the transition takes hold is represented by the values x1 and x2. The greater the value for x1 and x2, the slower the transition occurs.**

CUBIC BEZIER CURVE

- **A value of ease-in starts the transition at a slow speed and then speeds up. This value is equivalent to cubic-bezier(0.42, 0, 1.0, 1).**

- **The ease-out value starts the transition at a fast speed and then slows down. This value is equivalent to cubic-bezier(0.42, 0, 1.0, 1).**

- **The ease value is equivalent to cubic-bezier(0.25, 0.1, 0.25, 1.0).**

DURATION & DELAY

- **The *transition-duration* property's default value is 0.**

  - **Any negative value is treated as though it's zero.**

  - **Units the value may take include, but are not limited to, "s" for seconds and "ms" for milliseconds.**

- **The *transition-delay* property sets the amount of time before a transition starts.**

TRANSITION PROPERTY

- **The *transition-property* property defines which CSS visual property the transition is applied to.**

  - **In the animated link example, the transition is applied to the background color.**

SHORTHAND PROPERTY

- **You can write the properties of the transition effect in one value for the transition property:**

```
#navsite a {
 -webkit-transition: background-color .66s linear;
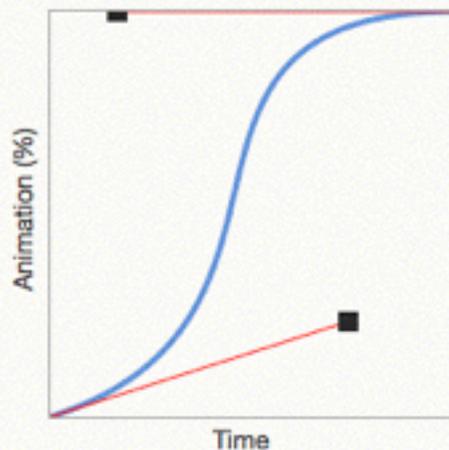}
```

Ceaser — CSS EASING ANIMATION TOOL

🐦 Tweet

1. Choose an easing type and test it out with a few effects.

2. If you don't quite like the easing, grab a handle and fix it.

3. When you're happy, snag your code and off you go.

Now that we can use CSS transitions in all the modern browsers, let's make them pretty. I love the classic Penner equations with Flash and jQuery, so I included most of those. If you're anything like me*, you probably thought this about the default easing options: "ease-in, ease-out...yawn." The mysterious cubic-bezier has a lot of potential, but was cumbersome to use. Until now. Also, touch-device friendly!

*If you are anything like me, we should be friends @matthewlein

Easing: custom (drag the handles) ⬍

Duration: 1000 ⬍

Effect: Left   Width   Height   Opacity

http://matthewlein.com/ceaser/

Code snippets, short and long-hand:

```
-webkit-transition: all 1000ms cubic-bezier(0.735, 0.235, 0.165, 1.000);
   -moz-transition: all 1000ms cubic-bezier(0.735, 0.235, 0.165, 1.000);
     -o-transition: all 1000ms cubic-bezier(0.735, 0.235, 0.165, 1.000);
        transition: all 1000ms cubic-bezier(0.735, 0.235, 0.165, 1.000); /* custom */
```

COMPLEX ANIMATING LINKS

COMPLEX ANIMATED LINKS

- Web designer Faruk Ateş's personal site (see http://farukat.es/) uses the *transition* property to change the color of the element.

  - As well as the color, width, box shadow, text shadow, *and* opacity.

COMPLEX ANIMATED LINKS

```
#web20 li a {
 text-shadow: rgba(0,0,0, 0) 1px 1px 2px;
-moz-box-shadow: rgba(0,0,0, 0) 2px 2px 2px;
-webkit-box-shadow: rgba(0,0,0, 0) 2px 2px 2px;
-moz-border-radius-topright: 31px;
-moz-border-radius-bottomright: 31px;
-webkit-border-top-right-radius: 31px;
-webkit-border-bottom-right-radius: 31px;
-webkit-transition: background-color .25s ease,
  color .5s ease,
  width .2s ease-out,
  -webkit-box-shadow .25s ease,
  text-shadow .2s ease,
  opacity .2s ease;
}
```
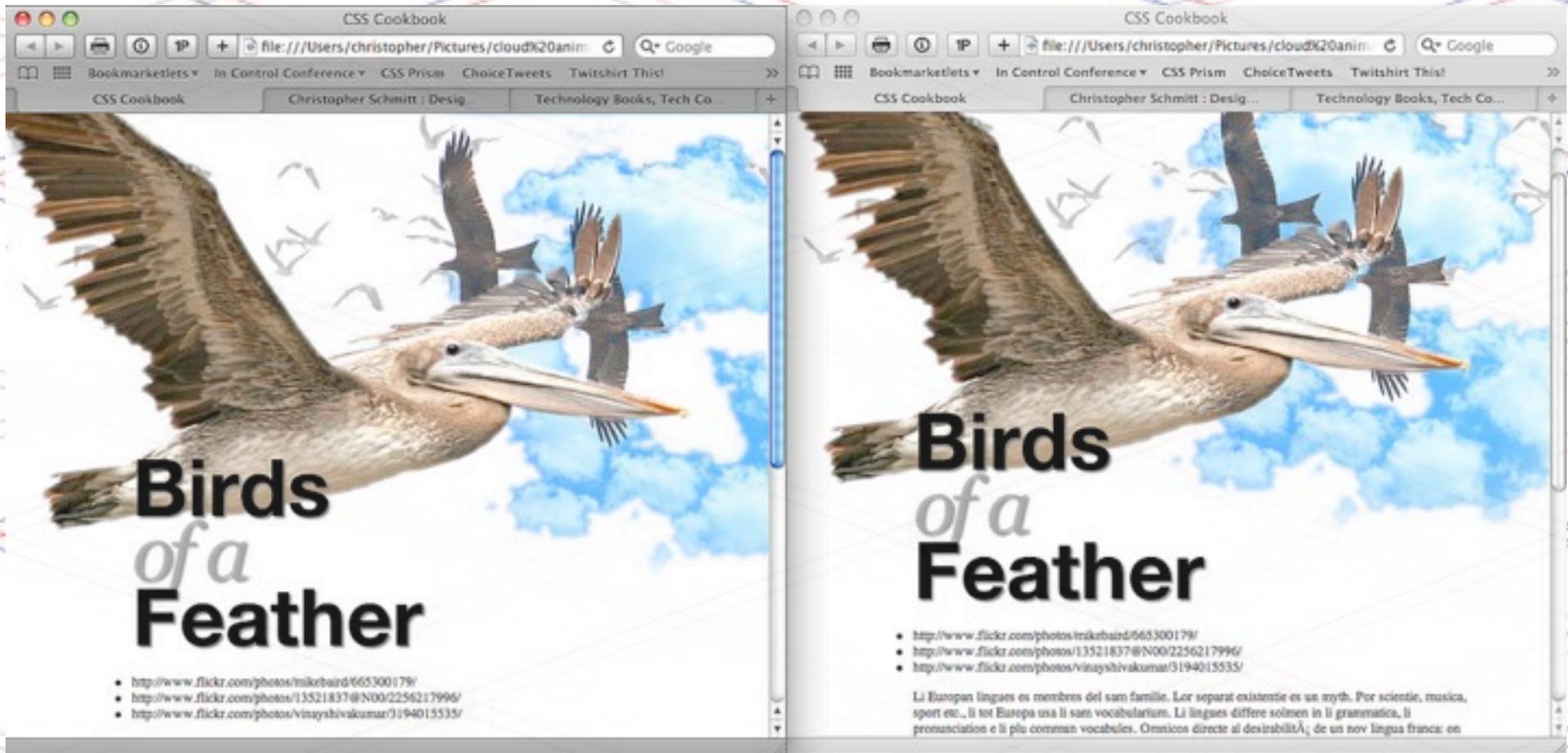
ANIMATING ELEMENTS

ANIMATING ELEMENTS

```html
<body>
<div id="clouds1"></div>
[...]
</body>
```

ANIMATING ELEMENTS

```
#clouds1 {
 width: 627px;
 height: 410px;
 position: absolute;
 right: −300px;
 top: 0;
 background-image: url(clouds.png);
}
```

ANIMATING ELEMENTS

```
@-webkit-keyframes "clouds" {
 from {
  right: 0px;
 }
 to {
  right: 100px;
 }
}
```

ANIMATING ELEMENTS

```
#clouds1 {
 width: 627px;
 height: 410px;
 position: absolute;
 right: −300px;
 top: 0;
 background-image: url(clouds.png);
 -webkit-transform: translate(300px, 0px);
 -webkit-animation-name: "clouds";
 -webkit-animation-duration: 10s;
 -webkit-animation-iteration-count: 10;
 -webkit-animation-direction: alternate;
}
```

ANIMATING ELEMENTS

- **Animations can take on more than one property (think offset properties and even opacity for some interesting effects).**

- **The *animation-transform* property is used to associate which keyframe rule is used ("clouds).**

- **The *animation-duration* is set for how long the effect should occur. (Negative values are treated as zero.)**

- **The *animation-iteration-count* tells how many times it should happen. For constant looping, use value of "infinite".**

- **Use *animation-direction* property set to normal loops animation, while "alternate" creates a more seamless presentation (back and forth).**

RESOURCES

- **"When Can I Use…"**
  http://caniuse.com/

- **Modernizr**
  http://www.modernizr.com/

- *CSS Cookbook, 3rd Edition*
  http://oreilly.com/catalog/9780596155940

- **CSS3 Sandbox**
  http://westciv.com/tools/gradients/

- **"10 Amazing Examples of Innovative CSS3 Animation"**
  http://designshack.co.uk/articles/css/10-amazing-examples-of-innovative-css3-animation

THANK YOU!

Christopher Schmitt

schmitt@heatvision.com

http://twitter.com/teleject

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http://en.wikipedia.org/wiki/
File:Bridge_across_continents_iceland.jpg
http://en.wikipedia.org/wiki/File:Plates_tect2_en.svg