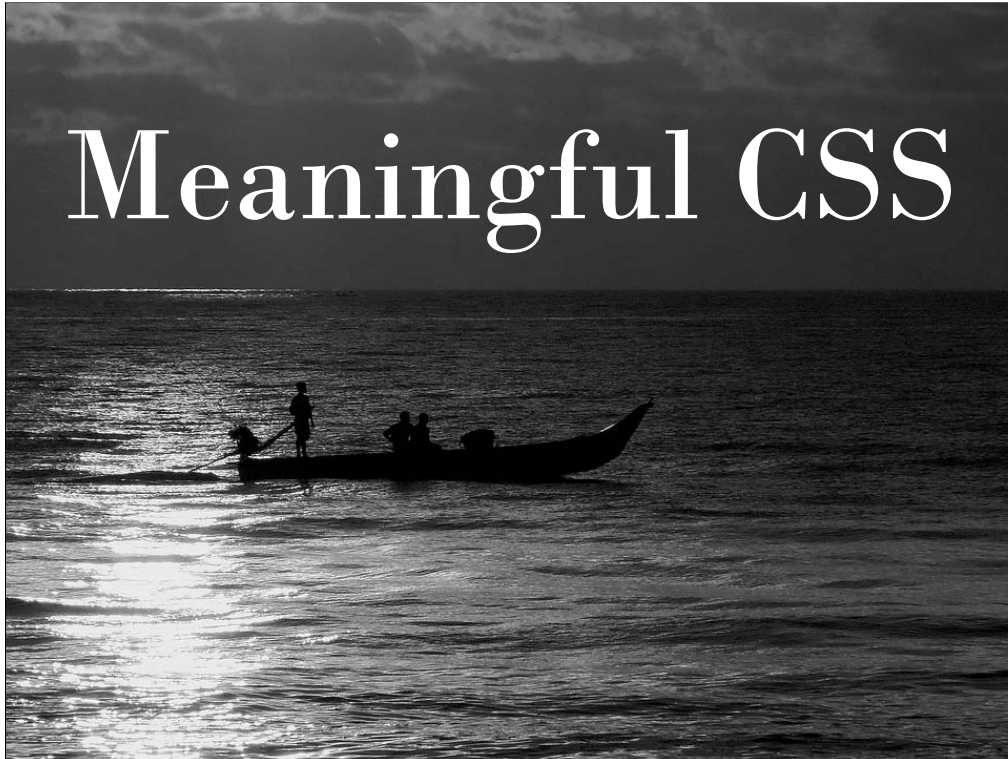


Meaningful CSS





Refresher

Html elements, restyled

```
element, elmt2 { property:value; property: value; }
```

Html element with class, restyled

```
element.class { property: value; }
```

Class, restyled

```
.class { property: value; }
```

Id, restyled

```
#id { property: value;}
```

Combo deal

```
element element#id { property: value; }
```

```
/* comments */
```

Cheat sheet at iLoveJackDaniels.com

Default

```
<link rel="stylesheet" type="text/css" media="screen"
      href="/css/screen.css" />
```

Print

```
<link rel="stylesheet" type="text/css" media="print"
      href="/css/print.css" />
```

Alternate

```
<link rel="alternate stylesheet" type="text/css" media="screen"
      href="/css/fixed.css" title="fixed" />
```

Better Default

```
<style type="text/css" title="currentStyle" media="screen">
  @import "/style.css";
</style>
```

Cheat sheet at iLoveJackDaniels.com

How to link to stylesheets (and use different media types)

Boxes

margin * **

padding * **

border * **

border-color * **

border-style * **

border-width * **

* these use shorthand notation

** these also have -top, -right, -bottom, -left

Cheat sheet at iLoveJackDaniels.com

```
<body>
  <div class="outer">
    <div class="phat-margin">Some text!</div>
  </body>
```

```
.outer {
  border: solid green thin;
}
.phat-margin {
  margin: 30px 10px 3em 20%; /*shorthand*/
  /* top, right, bottom, left, just like a clock */
}
```

Example formatting for boxes, using the shorthand notation

Color / Background

color

background *

background-color

background-image

background-repeat

background-attachment

background-position

* **these use shorthand notation**

Cheat sheet at iLoveJackDaniels.com

EX:

```
body {  
    background-image: url(stars.gif);  
    background-attachment: scroll  
}
```

scroll - The background image moves when the rest of the page scrolls

fixed - The background image does not move when the rest of the page scrolls.

Fonts

font *

font-family

font-style

font-variant

font-weight

font-stretch

font-size

font-size-adjust

* **uses shorthand notation**

Cheat sheet at iLoveJackDaniels.com



GO TO EXAMPLES!!

These aren't much, but will briefly show you some basic concepts.

(Then step by step create the html and css with the simple associated html exercise)

“If you only do one thing today,
run to your pc and print out the
I Love Jack Daniel’s css cheat
sheet”



“If you do two things today, *hustle*
to your pc and check out the
w3schools CSS tutorial”

w3schools.com/css

Meaningful Pages

- Use css to handle the design of things
- Semantic html markup structures things
- Attach hooks in html markup
- When you abandon tables, don't start using divs and spans willy-nilly!

CSS is Design

Semantic Markup!

Use Hooks!

Careful on Divs and Spans, don't just throw them at everything!



Themes:

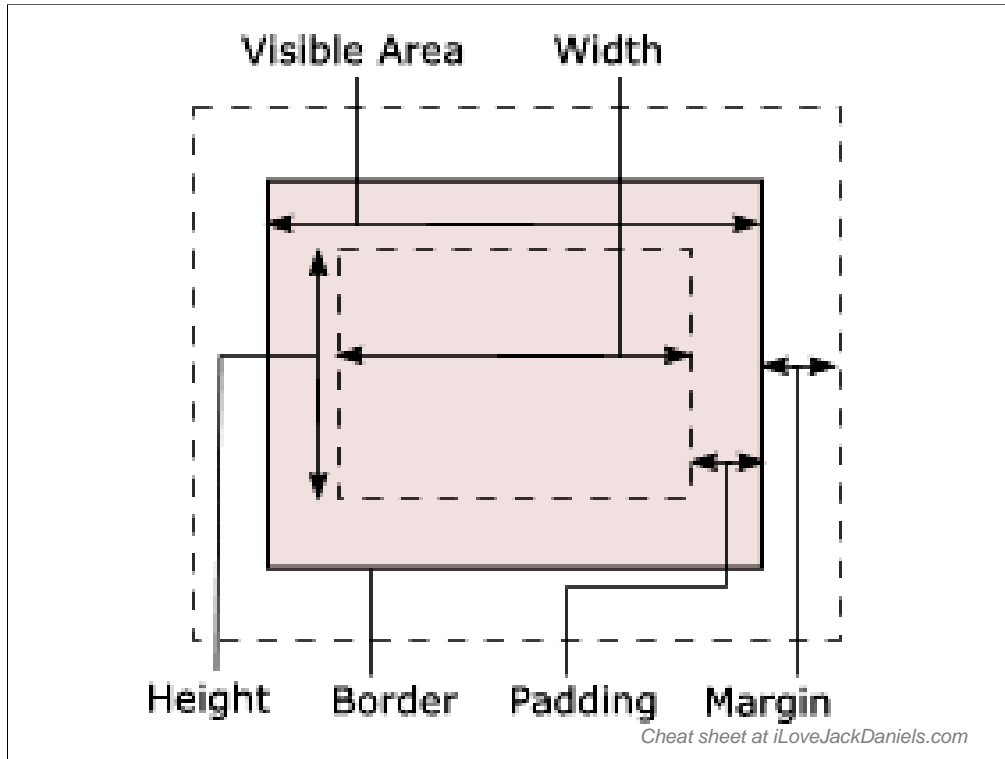
Default, , Manhattan, simple

Example of semantic markup – show “freebie” hooks available. More room to expand here, but I’m running out of time!

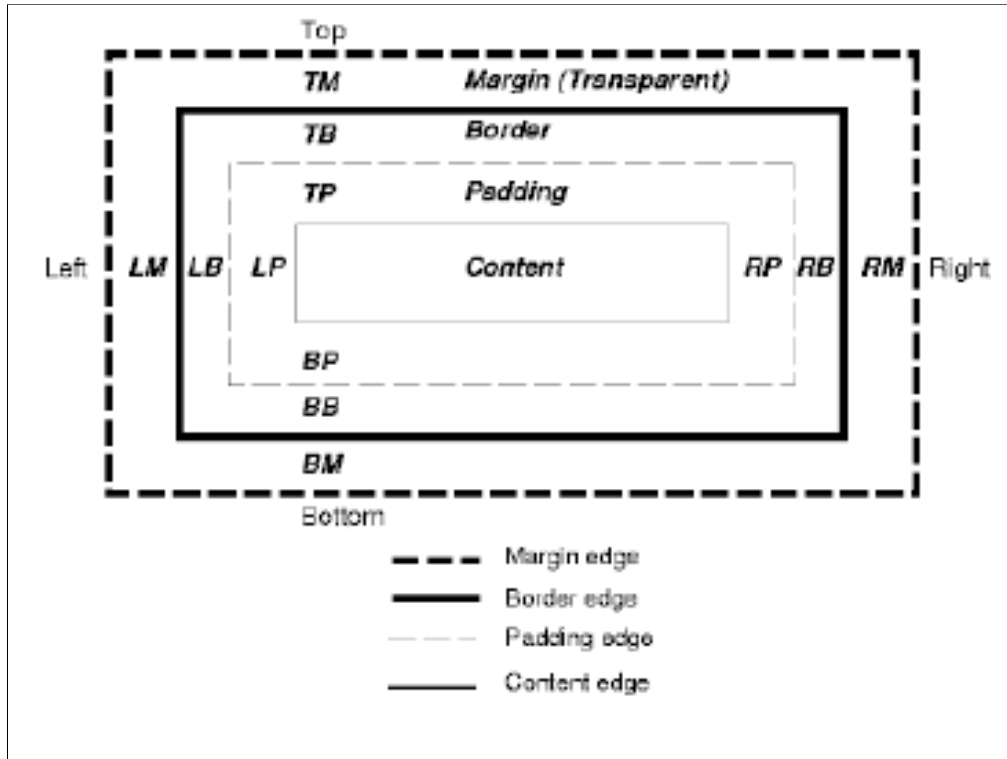
CSS Box Model

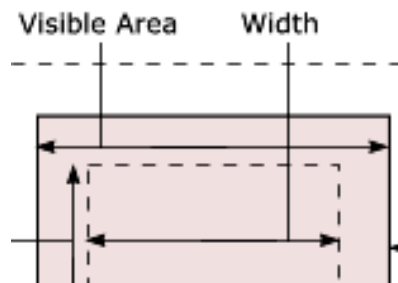


Or, is there really a method to this madness?



No background in the margin.





According to the W3C, an assigned 'width' (and 'height') of a box refers to the 'content area' of a box only.

The padding, borders, and margins are then added to this value to arrive at the total box width. If the 'width' property is omitted, the total box width is the same as the 'content area' of the surrounding container element.

(divs are greedy)



**Unfortunately, all CSS enabled versions
of IE before IE6/strict use a different
box model.**



For IE, the padding and borders are counted as part of any assigned 'width' or 'height'.

In the absence of borders and padding, the two models agree.

However, if a box has an assigned "width", and if borders and/or padding are added, the standard box model causes the overall box width (between the outer border edges) to increase, while in IE's model the 'content area' gets squeezed by the same amount. This is a major problem for proper page layout. **Know about the Hacks**

I won't show examples, but several hacks exist: box-in-a-box, tantek hack, simplified box model hack, and many more. <http://css-discuss.incutio.com/?page=BoxModelHack>

This is strict (1st line of your page)

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

This is transitional (probably what you want)

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

This is 4.01

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML  
4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
```

Important because it determines the “mode” your browser will render pages in!

If you are rendering in the sloppy mode, you may get different errors than if in transitional. Yahoo

Case Studies

of the real world, from the trenches

How do I center a fixed width layout using CSS?

```
<body>
  <div id="container">
    ...entire layout goes here...
  </div>
</body>
```

```
body {
  text-align: center;
}

#container {
  margin: 0 auto;
  width: xxxpx;

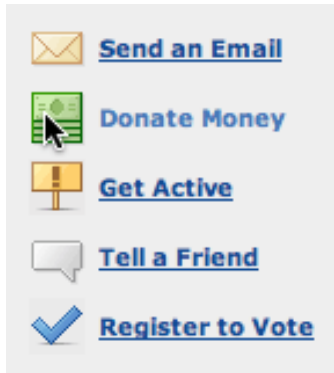
  /* uncomment if you want
  the rest to not be centered:
  text-align: left; */
}
```

Source: <http://www.simplebits.com/notebook/2004/09/08/centering.html>

We're aligning everything within body to be centered, while giving the #container a specific width (whatever you'd like). The margin: 0 auto; is the second piece which makes it all work. We're specifying 0 pixels on top and bottom, with auto margins on the left and right.

Text-align: center is there only for IE/Win users, other browsers don't need it.

Clickable Link Backgrounds



Source: <http://www.simplebits.com/notebook/2004/07/18/clickable.html>

```
<ul>
  <li id="email"><a href="/email/">Send an Email</a></li>
  <li id="donate"><a href="/donate/">Donate Money</a></li>
  <li id="active"><a href="/active/">Get Active</a></li>
  <li id="tell"><a href="/tell/">Tell a Friend</a></li>
  <li id="vote"><a href="/vote/">Register to Vote</a></li>
</ul>
```

Source:

Assign an id for each item – that way it can get a custom background image

For the css, it's simple: disable default bullet styling, zero out margins and paddings, and assign a background-image to each element

```
ul {
  margin: 0;
  padding: 0;
  list-style: none;
}
ul li {
  margin: 2px 0 6px 0;
  padding: 0;
  font-weight: bold;
  line-height: 24px; /* height of icon */
  background-repeat: no-repeat;
  background-position: 0 50%;
}
ul li a {
  padding-left: 30px; /* width of icon + whitespace */
}
#email { background-image: url(email.gif); }
#donate { background-image: url(donate.gif); }
#tell { background-image: url(tell.gif); }
#active { background-image: url(active.gif); }
#vote { background-image: url(vote.gif); }
```

For the css, it's simple:

ul {} disable default bullet styling, zero out margins and paddings,

ul li {} sets basic font/style look

ul li a {} sets padding (padding-left at least equal to the width of each icon.)

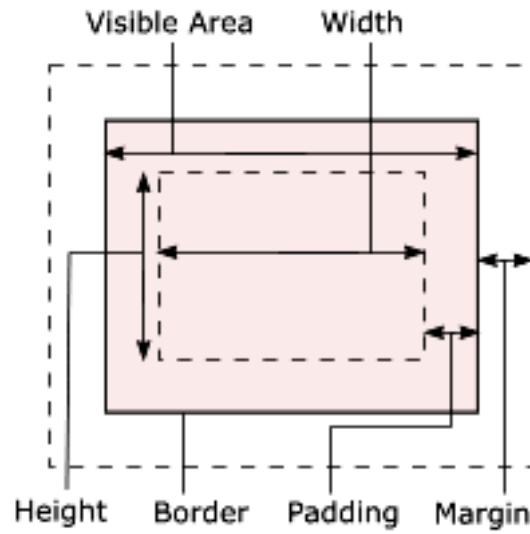
#<each id> assign a background-image to each element

This will make the clickable area “stretch” over the icon - which is actually assigned as a background to each individual element.

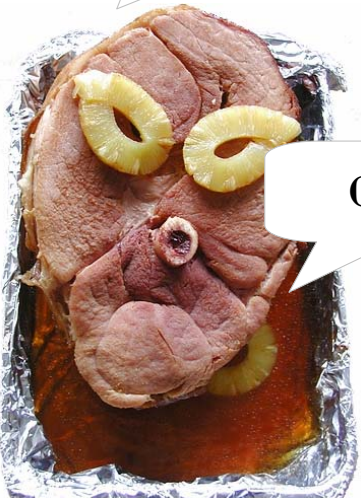
```
ul li a {  
  padding-left: 30px; /* width of icon + whitespace */  
}
```

ul li a {} sets padding (padding-left at least equal to the width of each icon.)

That makes sense, remember the box?



Point out that padding is OUTSIDE the actual width or “thing” itself



Not impressed, (~~Ham~~) could just use `` tags!

Grrrr... `` images *in CSS* and *out of the markup*, making changes to the list and graphics a snap.

Why not just assign the image as a background of the `<a>` element? That's when we run into flickering problems in IE6/Win. Assigning the image to the `` element and stretching the link's width over the image fixes this issue, and thus the main reason for this entire write-up.

Good things for lists

- lists!
- horizontal tabs
- vertical tabs
- breadcrumbs
- simple forms (dl, dt, dd)

Resources

- w3schools.com/css/ great tutorial
- ILoveJackDaniels.com css cheatsheet
- simplebits.com
- Dan Cedarholm's books
- alistapart.com
- del.icio.us/jwolter/css or [webdesign](http://del.icio.us/jwolter/webdesign)

Photo Credits

- <http://flickr.com/photos/pandiyam/113616869/>
- <http://flickr.com/photos/pandiyam/112011819/in/set-855219/>
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- <http://flickr.com/photos/miguelherrera/260215765/> coins
- <http://flickr.com/photos/seriouslyphotographic/131113180/>
ham
- <http://flickr.com/photos/rogerv/37035855/> cereal





MOZILLA FIREFOX CHEAT SHEET

BASIC

Home:
<http://www.mozilla.com/firefox/>
Extensions & Themes:
<https://addons.mozilla.org/>
Support Forum:
<http://forums.mozillazine.org/>

GENERAL KEYBOARD SHORTCUTS

Add Bookmarks	Ctrl + D
Bookmarks	Ctrl + B
DOM Inspector	Ctrl + Shift + I
Downloads	Ctrl + J
Full Screen View	F11
Help	F1
History	Ctrl + H
Page Source	Ctrl + U
Print	Ctrl + P
Refresh Page	F5
Refresh Page & Cache	Ctrl + F5
Save Page As	Ctrl + S

NAVIGATION KEYBOARD SHORTCUTS

Back	Alt + Left Arrow
Down One Line	Down
Down One Page	PageDown
File Open	Ctrl + O
Forward	Alt + Right Arrow
Frame Next	F6
Frame Previous	Shift + F6