

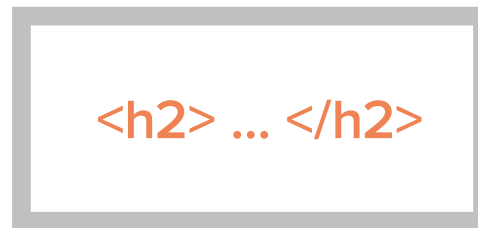
CSS Box Model + Webfonts

ART326

CSS Box Model



CSS Box Model



THE BOX MODEL

box model



Dimensions

CSS

```
div {  
  
width: 300px;  
  
height: 300px;  
  
background-color: #ee3e80;  
}  
  
p {  
  
height: 75%;  
  
width: 75%;  
  
background-color: #e1ddda;  
}
```

HTML

```
<div>  
  
<p>The Moog company  
pioneered the commercial  
manufacture of modular voltage-  
controlled analog synthesizer  
systems in the early 1950s.</p>  
  
</div>
```

Dimensions

The Moog company pioneered the commercial manufacture of modular voltage-controlled analog synthesizer systems in the early 1950s.

Margin



The space surrounding the edge of a box.

Sits outside the border.

CSS

```
p { width: 200px;  
border: 2px solid #0088dd;  
padding: 10px;}  
  
p.example { margin: 20px;}
```

Analog synthesizers are often said to have a "warmer" sound than their digital counterparts.

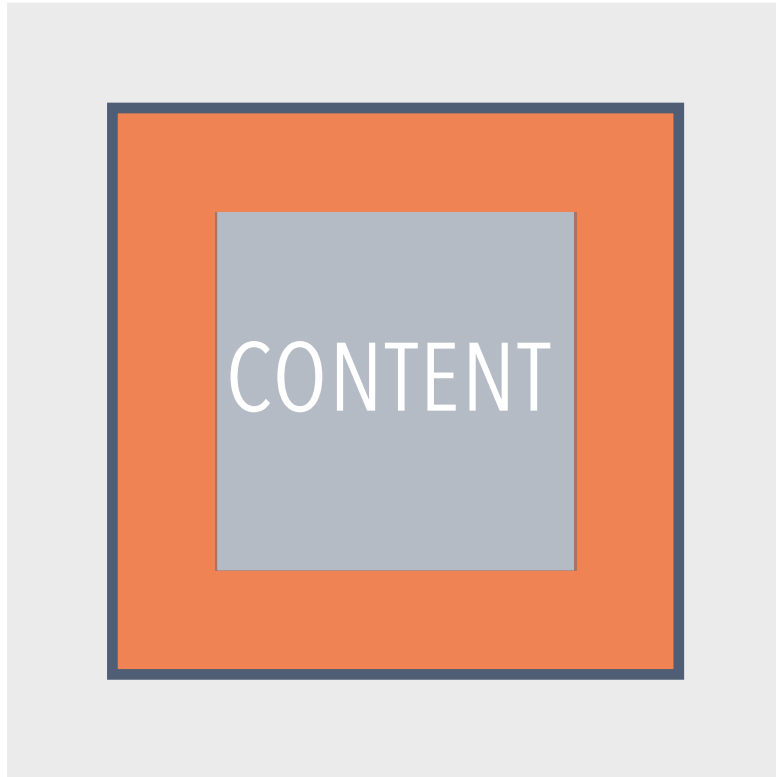
Analog synthesizers are often said to have a "warmer" sound than their digital counterparts.

HTML

```
<p>Analog synthesizers are often said to  
have a "warmer" sound than their digital  
counterparts.</p>
```

```
<p class="example">Analog synthesizers are  
often said to have a "warmer" sound than their  
digital counterparts.</p>
```

Padding



The space between the border of a box and any content contained within it.

CSS

```
p { width: 275px;
```

```
border: 2px solid #0088dd; }
```

```
p.example { padding: 10px; }
```

HTML

```
<p>Analog synths produce a wave  
sound, whereas the sounds stored on  
a digital synth have been sampled and  
then turned into numbers.</p>
```

```
<p class="example">Analog synths  
produce a wave sound, whereas the  
sounds stored on a digital synth have  
been sampled and then turned into  
numbers.</p>
```

Analog synths produce a wave sound, whereas the sounds stored on a digital synth have been sampled and then turned into numbers.

Analog synths produce a wave sound, whereas the sounds stored on a digital synth have been sampled and then turned into numbers.

Borders



Separates edge of one box from another.

border-width

medium | thin | thick | length

CSS

```
p { width: 200px;  
border-style: solid;}
```

```
p.one { border-width: 2px;}
```

```
p.two { border-width: thick;}
```

```
p.three { border-width: 1px 4px 12px 4px;}
```

HTML

```
<p class="one">Hohner's "Clavinet" is  
essentially an electric clavichord.</p>
```

```
<p class="two">Hohner's "Clavinet" is  
essentially an electric clavichord.</p>
```

```
<p class="three">Hohner's "Clavinet" is  
essentially an electric clavichord.</p>
```

Hohner's "Clavinet" is
essentially an electric
clavichord.

Hohner's "Clavinet" is
essentially an electric
clavichord.

Hohner's "Clavinet" is
essentially an electric
clavichord.

border-style

CSS

```
p { width: 250px;
border-width: 3px;}

p.one { border-style: solid;}

p.two { border-style: dotted;}

p.three { border-style: dashed;}

p.four { border-style: double;}

p.five { border-style: groove;}

p.six { border-style: ridge;}

p.seven { border-style: inset;}

p.eight { border-style: outset; }
```

HTML

```
<p class="one">Wurlitzer Electric Piano</p>

<p class="two">Wurlitzer Electric Piano</p>

<p class="three">Wurlitzer Electric Piano</p>

<p class="four">Wurlitzer Electric Piano</p>

<p class="five">Wurlitzer Electric Piano</p>

<p class="six">Wurlitzer Electric Piano</p>

<p class="seven">Wurlitzer Electric Piano</p>

<p class="eight">Wurlitzer Electric Piano</p>
```

Wurlitzer Electric Piano

Wurlitzer Electric Piano

Wurlitzer Electric Piano

Wurlitzer Electric Piano

Wurlitzer Electric Piano

Wurlitzer Electric Piano

Wurlitzer Electric Piano

Wurlitzer Electric Piano

border-color

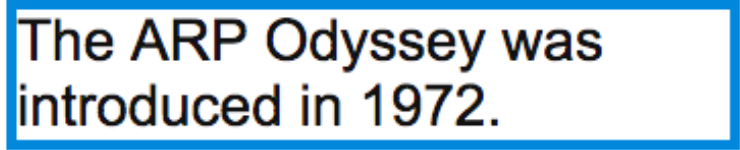
CSS

```
p {  
  border-style: solid;  
  border-width: 3px;  
  width: 200px;}  
  
p.one {  
  border-color: #0088dd;}  
  
p.two {  
  border-color: #bbbbaa #111111 #ee3e80  
  #0088dd; }
```

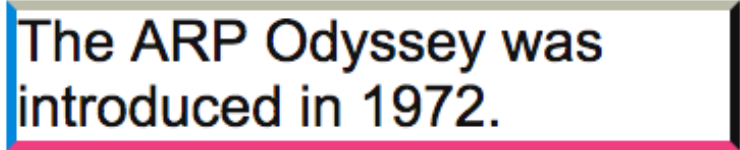
HTML

```
<p class="one">The ARP Odyssey was  
introduced in 1972.</p>
```

```
<p class="two">The ARP Odyssey was  
introduced in 1972.</p>
```



The ARP Odyssey was
introduced in 1972.



The ARP Odyssey was
introduced in 1972.

Border Values

border-color: red green blue pink;

top border is red

right border is green

bottom border is blue

left border is pink

border-color: red green blue;

top border is red

right and left borders are green

bottom border is blue

border-color: red green;

top and bottom borders are red

right and left borders are green

border-color: red;

all four borders are red

Border Shorthand

```
p {  
    width: 250px; border: 3px dotted #0088dd;  
}
```

Here is a simple chord sequence
played on a Hammond organ
through a Leslie speaker.

Webfonts

Arial

Arial Black

Comic Sans MS

Courier New

Georgia

Impact

Times New Roman

Trebuchet MS

Verdana

Embedding Web Fonts

In a perfect world, we could embed the font into a website.

Technically, you can:

```
@font-face {  
    font-family: "League Gothic";  
    src: url("/type/league_gothic.otf") }
```

Issues regarding this have included:

Resistance from type foundries.

An inconsistency in supported font formats.

Resistance from Foundries

Foundries make their money through licensing the use of their fonts.

Therefore, they want to deter people from downloading, copying, and using them for free.



“Raw Font” Formats

OpenType [.otf]

The current and newest standard.

Screen and print version in single file.

Mac/PC compatible.

Storage of up to 65,000 characters (ligatures, small caps).

TrueType [.ttf]

Screen and print version in single file.

Majority of fonts that come automatically installed.

What are Web Fonts?

A web font is a specific format with a license that permits its use online.

Allows text to be dynamic, searchable and accessible.



Web Font Formats

WOFF (Web Open Font Format) fonts are compressed versions of .ttf/.otf. The emerging standard. (Firefox 3.6+, IE 9+, Chrome 5.)

WOFF 2.0 Better compression than 1.0 (not supported by IE or Safari).

TrueType/OpenType Fonts [.ttf/.otf] Works in most browsers and Apple iOS 4.2 support (except IE).

Embedded OpenType Fonts [.eot] Compact form of .otf (only supported by IE).

SVG (Scalable Vector Graphic) fonts/shapes for iPad/iPhone (not supported by IE or Firefox)

Font format					
TTF/OTF	9.0*	4.0	3.5	3.1	10.0
WOFF	9.0	5.0	3.6	5.1	11.1
WOFF2	14.0	36.0	39.0	10.0	26.0
SVG	Not supported	Not supported	Not supported	3.2	Not supported
EOT	6.0	Not supported	Not supported	Not supported	Not supported

Font Squirrel



Free fonts for web use.

Font Squirrel provides for you a “Web Kit” that includes:

TrueType Fonts for Firefox 3.5+ , Opera 10+, Safari 3.1+, Chrome 4.0.249.4+

EOT Fonts for IE only

WOFF (Web Open Font Format) Fonts for Firefox 3.6+, Internet Explorer 9+, Chrome 5+ [compressed version of .ttf or .otf]

SVG Fonts for iPad and iPhone

Demo.html and **stylesheet.css** so you can get going fast

Webfont Generator: <http://www.fontsquirrel.com/tools/webfont-generator>

@font-face

```
@font-face {  
    font-family: 'WebFontName';  
    src: url('WebFont.eot');  
}
```

@font-face

```
@font-face {  
    font-family: 'WebFontName';  
  
    src: url('WebFont.eot');  
  
    src: url('WebFont.eot?iefix') format('eot'),  
        url('WebFont.woff') format('woff'),  
        url('WebFont.ttf') format('truetype'),  
        url('WebFont.svg#webfont') format('svg');  
}
```

Webfont Selectors

```
p {  
    font-family: 'WebFontName', Arial, sans-serif;  
}
```

Font-Hosting Services

Typekit: typekit.com

Free limited collection. Subscription-based pricing. \$50/year.

Cloud.typography: typography.com/cloud/welcome/

Yearly pricing (\$99).

Webtype: webtype.com/

Yearly pricing by font starting at \$20.

Google Fonts: google.com/fonts/

Completely free through Creative Commons license!

Manage Fonts

To access “Manage Fonts”:

01. Access via Properties Inspector.
02. Go to Modify Menu > Manage Fonts.
03. CSS Designer

Options:

Adobe Edge Web Fonts

Local Web Fonts

Create Custom Font Stacks

