



Cascading Style Sheets – Block Level



Block Level Style

- So far we have done text-level CSS
- With block level CSS, we used a generic container tag <div>
- Similarly you can define various forms of div using the different style properties e.g.
 - background-image
 - Text-align
 - Font style
- <http://www.tizag.com/cssT/reference.php>

Block-level Styles

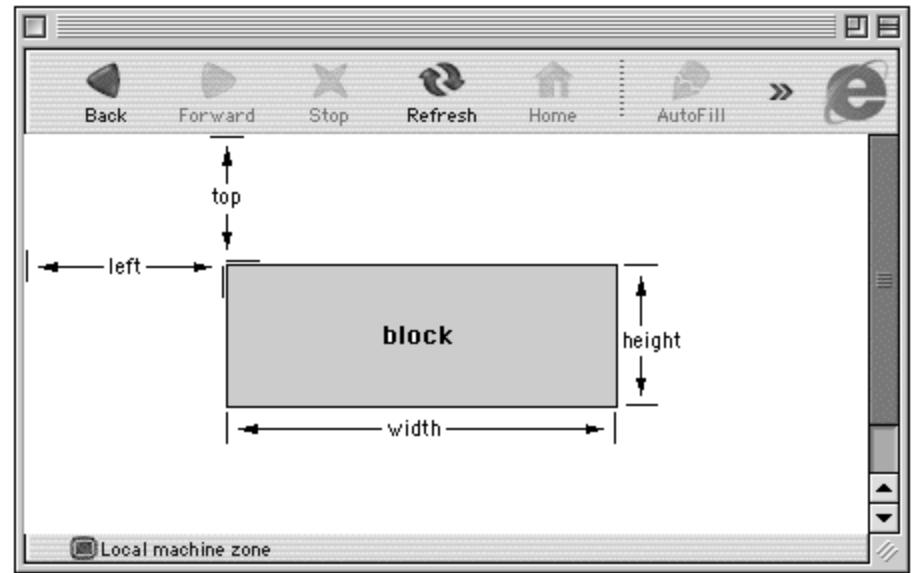
background-image	URL(relative, absolute)	The URL value is given to the CSS as URL(img.gif)
margin-right margin-top margin-left margin-bottom	Percent, pixels	Padding on outside of block, margin set relative to parent element
margin	Percent, pixels	Set all margin properties at once
padding-right padding-left padding-top padding-bottom	Percent, pixels	Set all padding properties at once
border	Percent, pixels	Border around block
text-align	left, center, right, justify	Alignment of text within block

Block-level Styles

text-indent	Percent, pixels	Applied only to first line within block
position	Absolute, relative	Position of block within parent element (relative is the default)
top	Pixels	Position of block from top of parent element
left	Pixels	Position of block from left of parent element
width	Pixels	Width of block
height	Pixels	Height of block

Absolute Positioning

```
div.block1 {  
    position: absolute;  
    top: 20px;  
    left: 20px;  
    width: 600px;  
    height: 200px;  
    padding: 10px;  
    letter-spacing: 3px;  
    text-align: center;  
    font-size: 200%;  
    border-left: 1px solid #c93;  
    border-bottom: 5px solid #c93;  
}
```



To use the div command

- ◆ In the previous slide you define

```
div.block1 {  
.....  
}
```
- ◆ You can also define more div commands such as

```
div.block2 {  
}
```
- ◆ Treat the `<div>` tag like all other tags such as

```
<div class=block1> You are here</div>
```

Or

```
<div class=block2> You are here </div>
```

Make sure you count correctly

top = 0px, left = 0px
padding=10px
border size= 2px
width = 200 px
height = 100px



top = (0 + 2 + 10 + 100 + 10 + 2)px
left = (0 + 2 + 10 + 200 + 10 + 2)px
padding=10px
border size= 2px
width = 200 px
height = 100px



Firefox vs. Internet Explorer

- ◆ It turns out Firefox measures width in terms of content (that is why we have to compensate for the padding and border size), and IE measure in terms of border to border. You can specify Firefox to use border to border by adding an extra definition to your stylesheet:

```
div { -moz-box-sizing:border-box;  
      box-sizing:border-box;  
}
```

So just include this at the top of your style sheet and you do not have to worry about counting borders or paddings etc. It definitely make life simpler to calculate the placing of the rectangle and it looks better that it works for both IE and firefox.

Text-level style

- ◆ We discuss using the `` tag for css.
- ◆ Suppose you have set of titles in different location that needed to be red, `font-size: +200%`, `font-family:"Century Gothic"`,
- ◆ And then you have another set of text that has `font-size 150%`, normal font and yellow,
- ◆ Then you might want to define two classes of span.

```
span.title {
```

```
}
```

```
span.highlight {
```

```
}
```

- ◆ Then to use this, you just have to do the following:
` This is one title `

Exercise: ex8.html and ex8.css

- ◆ Create a page that uses an external style sheet
- ◆ 3 rectangles (50x100, 100x200, 200x400) arranged diagonally
- ◆ All rectangles have padding of size=5 px.
- ◆ All rectangles have top and bottom borders of size=20px
- ◆ All rectangles have left and right borders of size=10px
- ◆ Start something simple. Define one box in css.
- ◆ Use div tag command and make one box in html

Exercise: ex8.html and ex8.css


This is block 1

This is block 2

This is block 3

Exercise: ex9.css, ex9.html

Hint: Define 4 classes of div

MARQUETTE UNIVERSITY		
 <p>MARQUETTE UNIVERSITY Be The Difference.</p>		
<p>ABOUT MARQUETTE Quick Facts · History · Jesuit Identity · Our Mission</p>		
<p>THE CAMPUS Living at Marquette · Explore Milwaukee · Plan a Visit · Calendar of Events</p>		
<p>ACADEMICS Colleges · Departments · Majors · Libraries</p>		
<p>ADMISSION Application · Deadlines · Scholarships · Tuition & Costs · Financial Aid</p>		

Some nifty things

- ◆ `·` – adds a dot in text
- ◆ ` ` – add extra spaces in text