

- Advanced Layout Using CSS

em vs. pixels vs. percentage

In a 12pt font, 1em equals 12 pt., in a 10pt. Font, 1 em equals 10pt. And so on...

Examples:

font-size: 12pt;

font-size: 12px;

font-size: 1em;

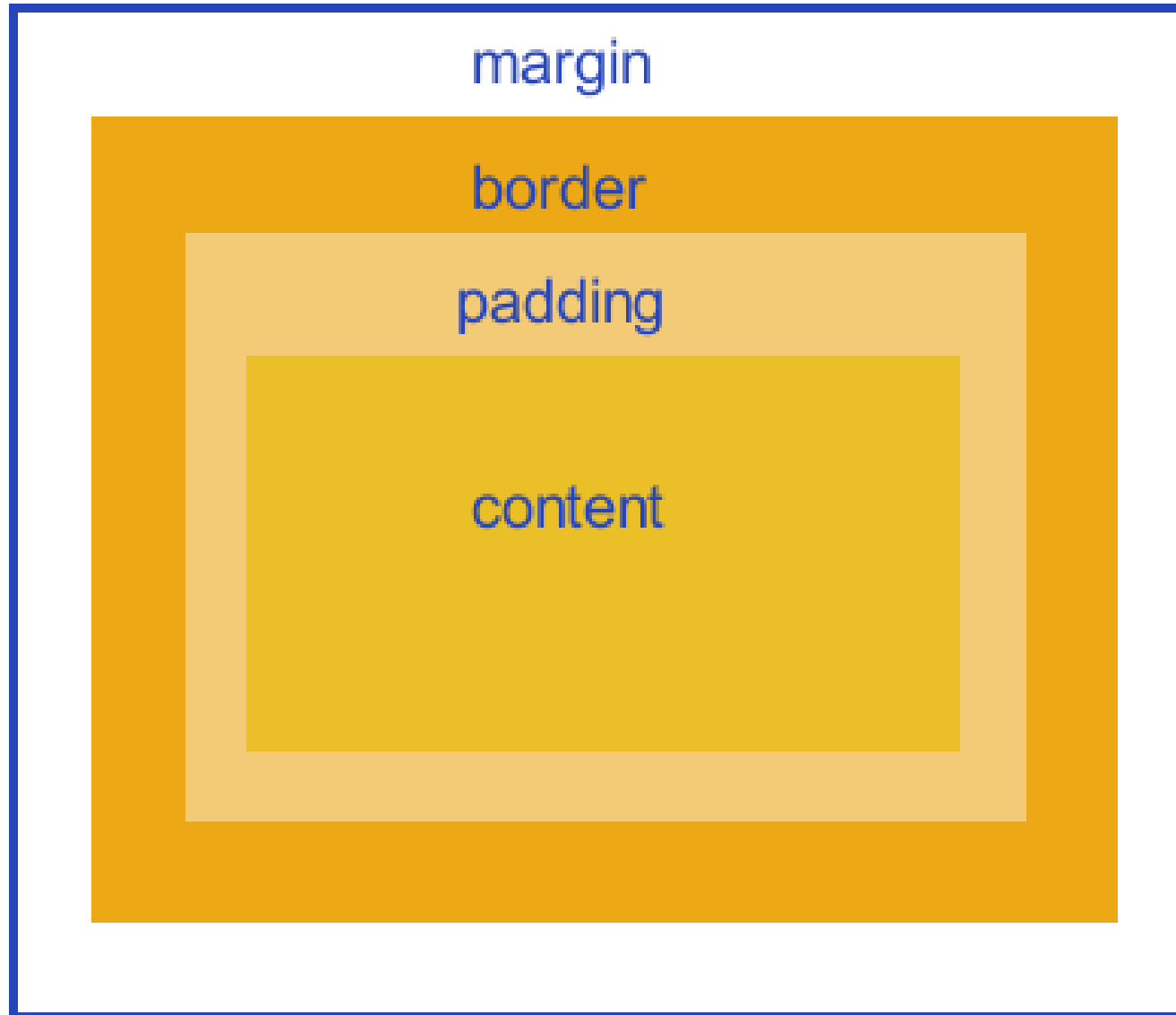
font-size: 100%;

another example:

font-size: 1.35em; equals font-size: 135%;

* in many fonts uppercase 'M' = 1 em

Layout - CSS box model



Block & Inline - div & span tags

text text text inline text text text text text text
text text text text text text text text text text text text text
text text text text text text text text text text text text text
text text text text text text text text text text text text text
text text text text text text text inline text text
text text text text text text text text text text text text text

Block

Block

Padding, Margins

```
.banner {  
  margin-top: 0;  
  padding: 0 12px 0 0;  
  
}
```

* four numbers on padding refer to:
top right bottom left
clockwise around the screen

Padding, Borders, Margins

```
.banner {  
  margin: 0;  
  padding: 0;  
  padding-top: 10px;  
  font-family: Verdana, sans-serif;  
  font-size: small;  
  color: #383d44;  
  border: 1px solid #000000;  
}
```

CSS Positioning

CSS allows you to position different elements on a page.

Absolute Positioning

```
.banner {  
position: absolute;  
top: 100px;  
left: 100px;  
color: #ff0000;  
}
```

Z-index property

The z-index property specifies the stack order of an element.

An element with greater stack order is always in front of an element with a lower stack order.

Note: z-index only works on positioned elements (position:absolute, position:relative, or position:fixed).

Z-index Example

Absolute Positioning

```
.banner {  
position: absolute;  
top: 100px;  
left: 100px;  
z-index: -1;  
}
```

CSS Opacity / Transparency

The opacity property specifies the opacity/transparency of an element.

Transparent Image:

The opacity property can take a value from 0.0 - 1.0. The lower value, the more transparent:

```
img {  
  opacity: 0.5;  
  filter: alpha(opacity=50); /* For IE8 and earlier */  
}
```

Transparent Hover Effect

The opacity property is often used together with the :hover selector to change the opacity on mouse-over:

```
img {  
  opacity: 0.5;  
  filter: alpha(opacity=50); /* For IE8 and earlier */  
}
```

```
img:hover {  
  opacity: 1.0;  
  filter: alpha(opacity=100); /* For IE8 and earlier  
*/  
}
```

Demo

Layout and code:

absolute positioning

Z-index

Transparent Images