

CSS

(Cascading Style Sheets)

Klasik HTML

```
<!DOCTYPE html>
<html>

<head>
    <title>An HTML standard template</title>
    <meta charset="utf-8" />
</head>

<body>

    <p>... Your HTML content here ...</p>

</body>
</html>
```

Neden CSS?

```
<body>
  <h1>Today's Quote</h1>
  <div>
    <p>
      "... there is no freedom quite like the freedom
      of being constantly underestimated".
    <br />
    Scott Lynch, <em>The Lies of Locke Lamora</em>
    </p>
  </div>
</body>
```

Today's Quote

"... there is no freedom quite like the freedom of being constantly underestimated".
Scott Lynch, *The Lies of Locke Lamora*

CSS

Cascading Style Sheets (Basamaklı Stil Şablonları ya da Basamaklı Biçim Sayfaları, bilinen kısa adıyla CSS), HTML'e ek olarak metin ve format biçimlendirme alanında fazladan olanaklar sunan bir Web teknolojisi'dir (https://tr.wikipedia.org/wiki/Cascading_Style_Sheets).

İnternet sayfaları için genelgeçer şablonlar hazırlama olanağı verdiği gibi, bağımsız olarak harflerin stilini, yani renk, yazı tipi, büyüklük gibi özelliklerini değiştirmek için de kullanılabilir. Bu tekniğin en önemli özelliği kullanımındaki esnekliktir.

CSS Tanımlamaları (Specs)

<http://www.w3.org/Style/CSS/>

Version	Year	Features
CSS 1	1996	Fonts, Colors, Alignment, Spacing
CSS 2.1	2004	Layout, positioning
CSS 3	In progress	Effects, sizing, speech

<http://www.quirksmode.org/css/contents.html>

Stil Kuralları

Selector

```
body {  
    background-color:#cccc99;  
}
```

propertyname:value;

```
body {  
    background-color:#cccc99;  
    padding:10px;  
}
```

Seçiciler (Selectors)

Seçici sayfadaki öğelere stilleri uygulayabilmek için kullanılan bir kalıptır.

```
body {  
    background-color:#cccc99;  
}
```

```
#menu {  
    background-color:#ffff00;  
}
```

```
.bookTitle {  
    font-style:italic;  
}
```

diğer seçiciler

```
/* descendant selector */  
div p {  
    background-color:#dddaa;  
}
```

```
/* child selector */  
div > p {  
    background-color:#dddaa;  
}
```

```
/* attribute selector */  
img[alt=spacer] {  
    padding:0px;  
}
```

```
/* psuedo class */  
a:visited { color: #ddddd; }
```


CSS Property'lerinin Alabileceği Değerler

- **Anahtar kelimeler:**
 - thin, thick ,larger
- **Fiziksel Ölçüler**
 - inches (in), points (pt), picas (pc)
- **Ekran Ölçüleri**
 - pixels (px)
- **Görelî Ölçüler**
 - %, em
- **Renk Kodları**
 - #rrggbb, rgb(r,g,b)
- **Fontlar**
 - Helvetica, sans-serif
- **Fonksiyonsel Gösterimler**
 - rgb(r,g,b), url(<http://example.com/resim.jpg>)

Örn:

```
<!DOCTYPE html>
<html>
<head>
  <title>A simple page</title>
  <link rel="stylesheet" href="stylesheet.css" type="text/css" />
</head>
<body>
  <h1>Heading 1</h1>
  <h2>Heading 2</h2>

  <div class="quotation">A div</div>
  <p id="content">A paragraph</p>
  <div>
    <p class="quotation">A paragraph inside a div</p>
  </div>
</body>
</html>
```

page.html

```
body {
  background-color:#cccc99;
}
```

stylesheet.css

```
<!DOCTYPE html>
<html>
<head>
  <title>A simple page</title>
  <link rel="stylesheet" href="stylesheet.css" type="text/css" />
</head>
<body>
  <h1>Heading 1</h1>
  <h2>Heading 2</h2>

  <div class="quotation">A div</div>
  <p id="content">A paragraph</p>
  <div>
    <p class="quotation">A paragraph inside a div</p>
  </div>
</body>
</html>
```

page.html

```
body {
  background-color:#cccc99;
}

p {
  font-size: 1.5em;
  border-style: solid;
  border-color: Black;
  border-width: 2mm;
  width: 200px;
}

div {
  width:50%;
}
```

stylesheet.css

CSS

(Cascading & Inheritance)

```
body > div
{
    background-color:red;
}

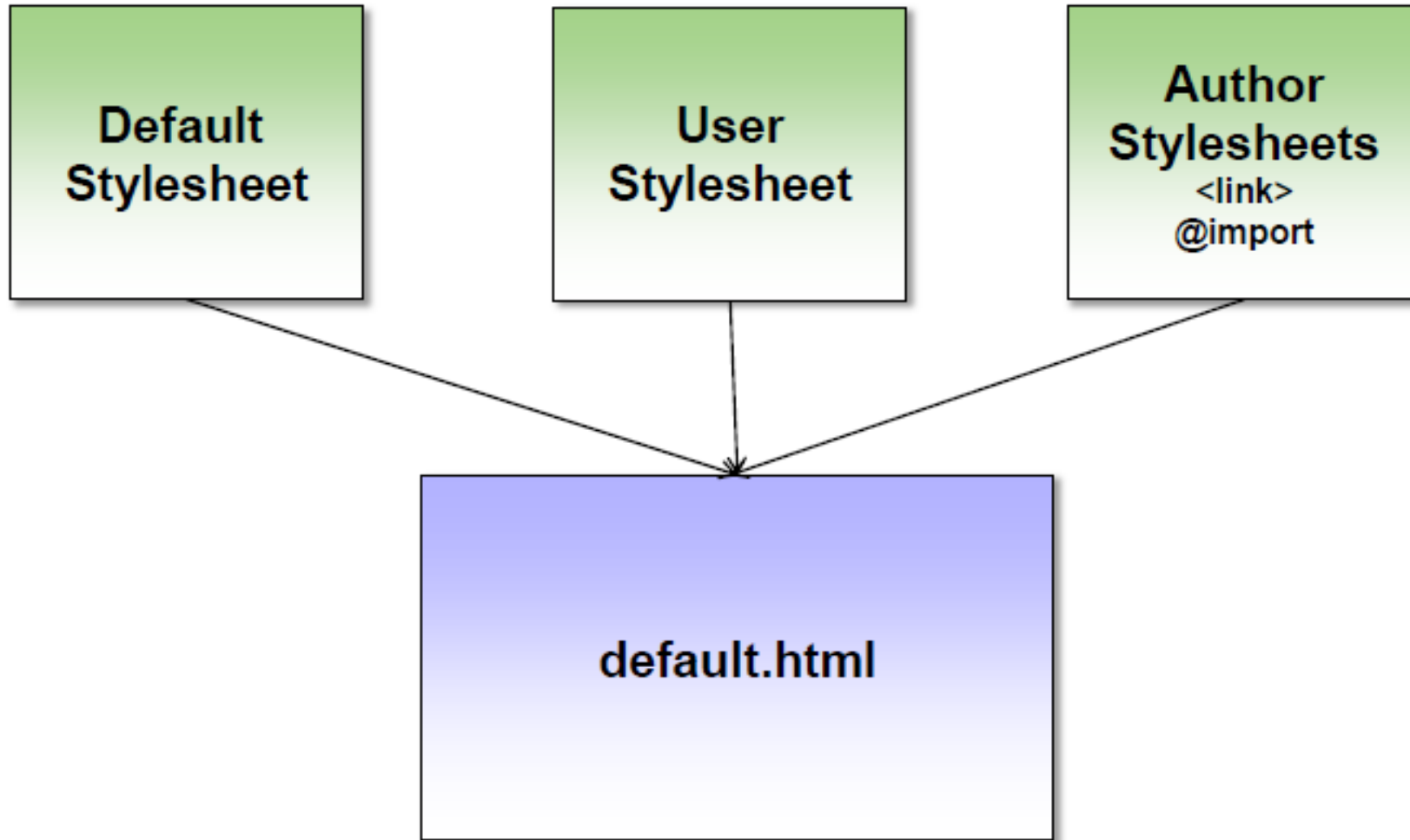
div
{
    background-color:black;
}

*
{
    background-color:green;
}
```

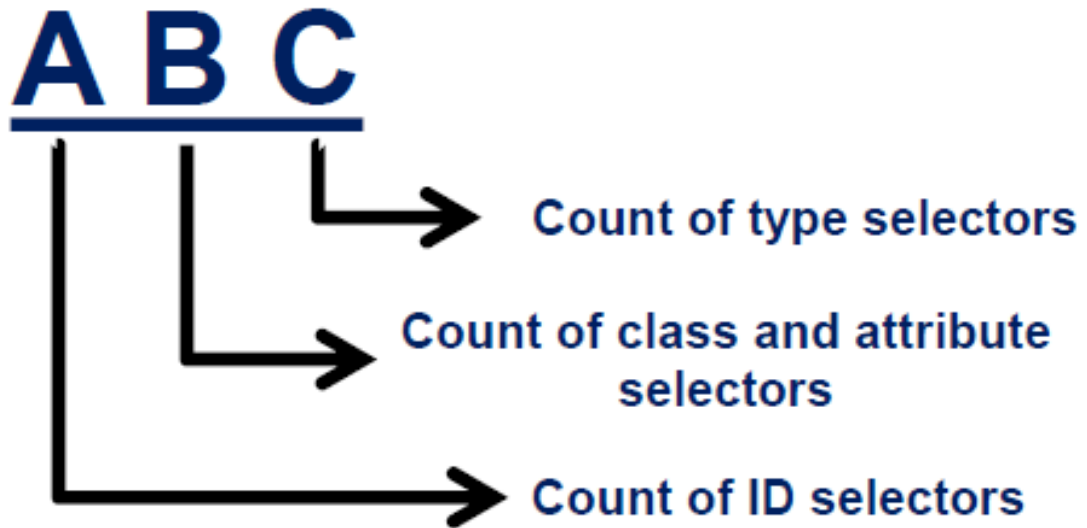
Neden kırmızı?



Farklı Kaynaklara ait Stiller

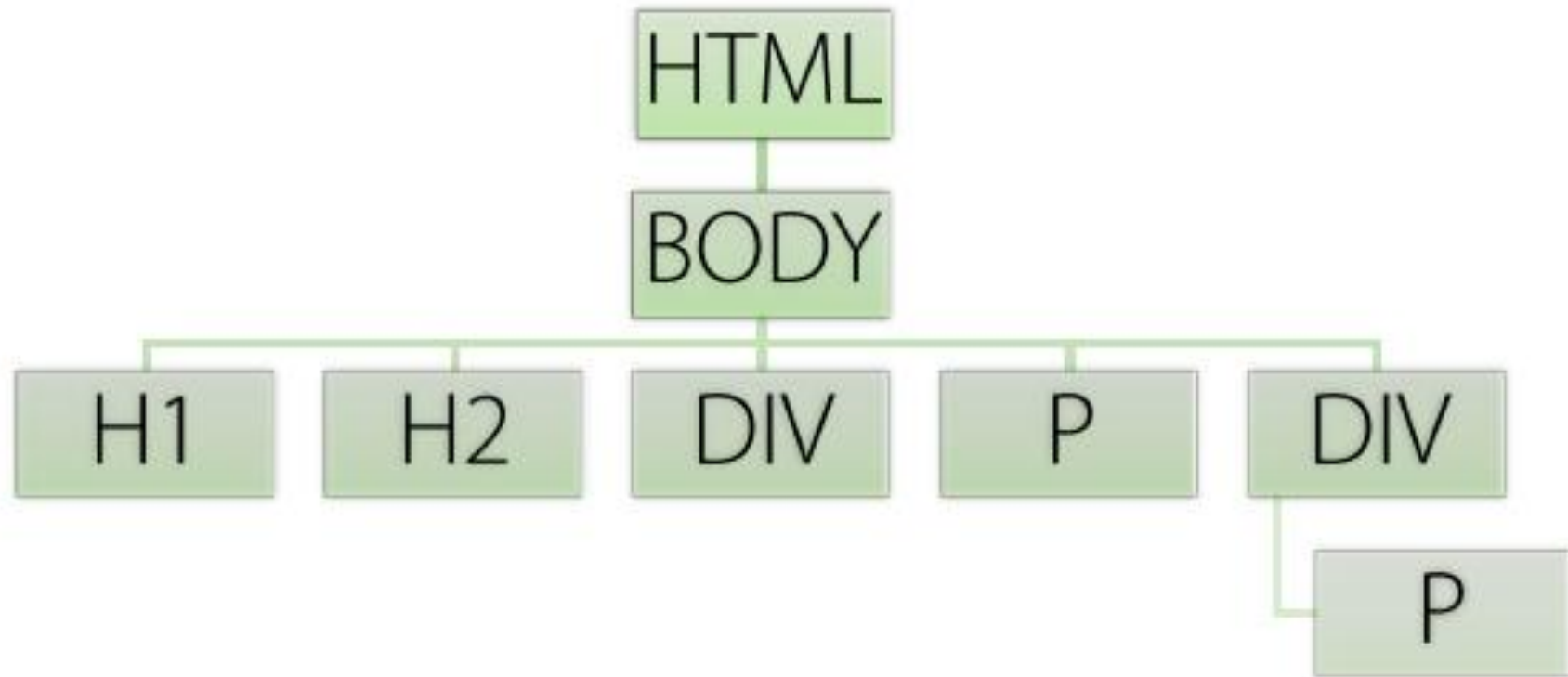


Specificity



```
*          /* a=0 b=0 c=0 -> specificity = 0 */
LI         /* a=0 b=0 c=1 -> specificity = 1 */
UL LI      /* a=0 b=0 c=2 -> specificity = 2 */
LI.red     /* a=0 b=1 c=1 -> specificity = 11 */
#content   /* a=1 b=0 c=0 -> specificity = 100 */
```

Inheritance (Miras)



Css Kutu Modeli (Css Box Model)

div

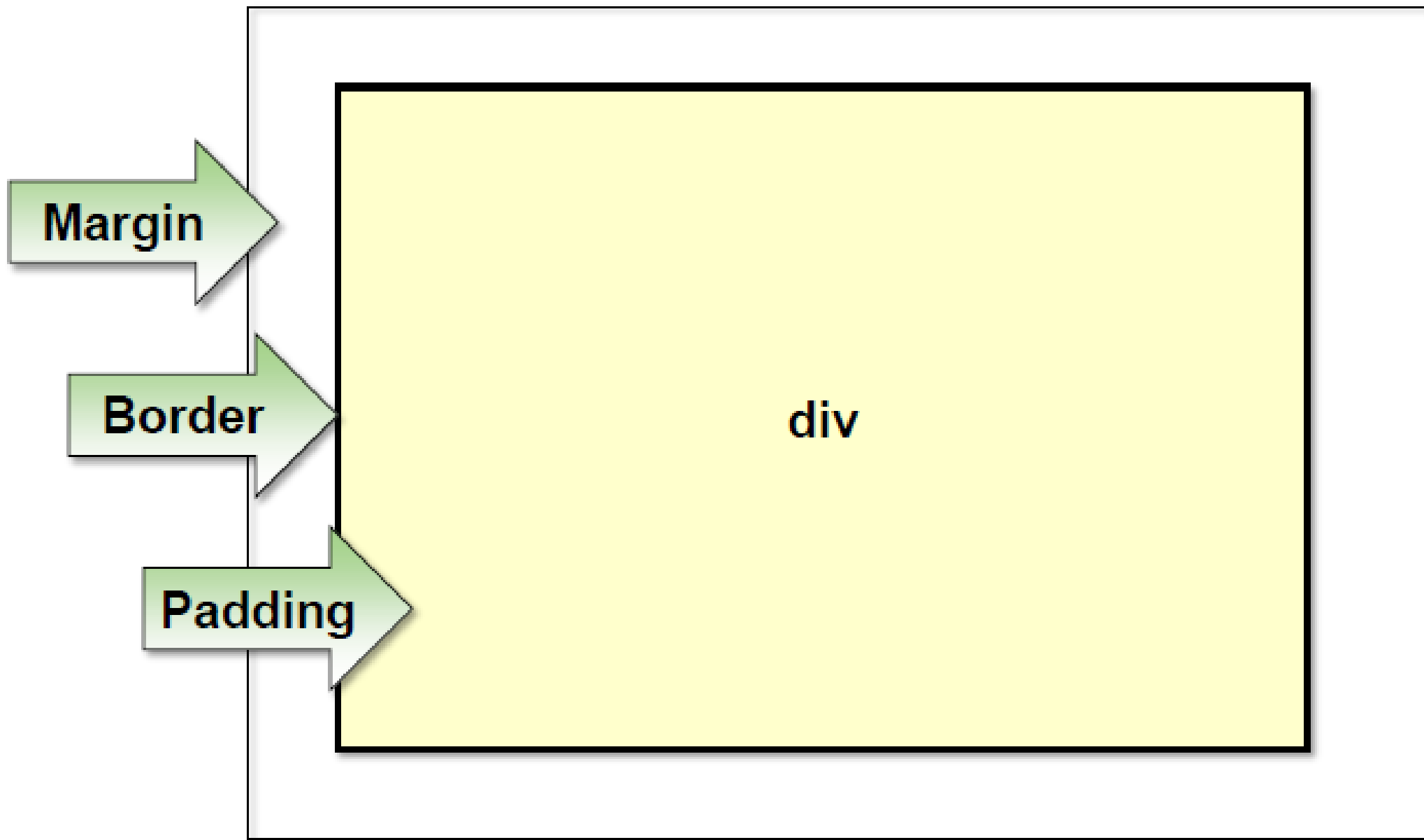
span

a

img

h1

p



Padding, Margin, Border

- Her kutunun 4 kenarı bulunmaktadır.
 - top, right, bottom, left

```
ul li
{
    padding-left: 5px;
    margin: 0 3px 0 3px;
    border-bottom: 3px solid black;
}
```

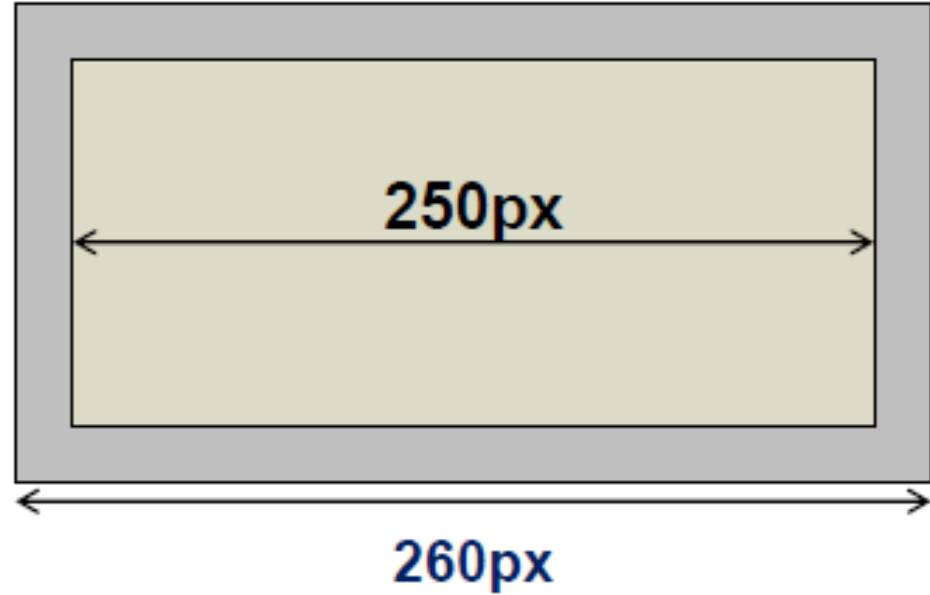
Dikey Marjinlerin Üst Üste Binmesi



Genişlik (Width)

Genişlik hesaplanırken marjin, padding ve border değerleri birbirlerine eklenir.

```
ul li  
{  
  width: 250px;  
}
```



```

<!DOCTYPE html>
<html>
<head>
  <title>Links</title>
  <link rel="stylesheet" href="styles.css" type="text/css" />
</head>
<body>
  <ul class="menu">
    <li>
      <a href="http://www.w3.org/Style/CSS/">CSS Specifications</a>
    </li>
    <li>
      <a href="http://www.csszengarden.com/">CSS Zen Garden</a>
    </li>
    <li>
      <a href="http://www.blueprintcss.org/">Blueprint</a>
    </li>
    <li>
      <a href="http://developer.yahoo.com/yui/">YUI</a>
    </li>
  </ul>
</body>
</html>

```

```

*
{
  padding:0px;
  margin: 0px;
}

body
{
  background-color:#cccccc;
}

.menu
{
  list-style: none;
  text-align:center;
}

.menu li:hover
{
  background-color: #cc9999;
}

.menu li
{
  display:inline-block;
  width: 150px;
  text-align:center;
  padding: 3px 0 0 10px;
  border-bottom: 3px solid #000000;
  background-color: #cccc99;
}

.menu li a
{
  text-decoration:none;
  color: #000000;
}

```

Css- Fontları ve Metinleri

(Css- Fonts and Text)

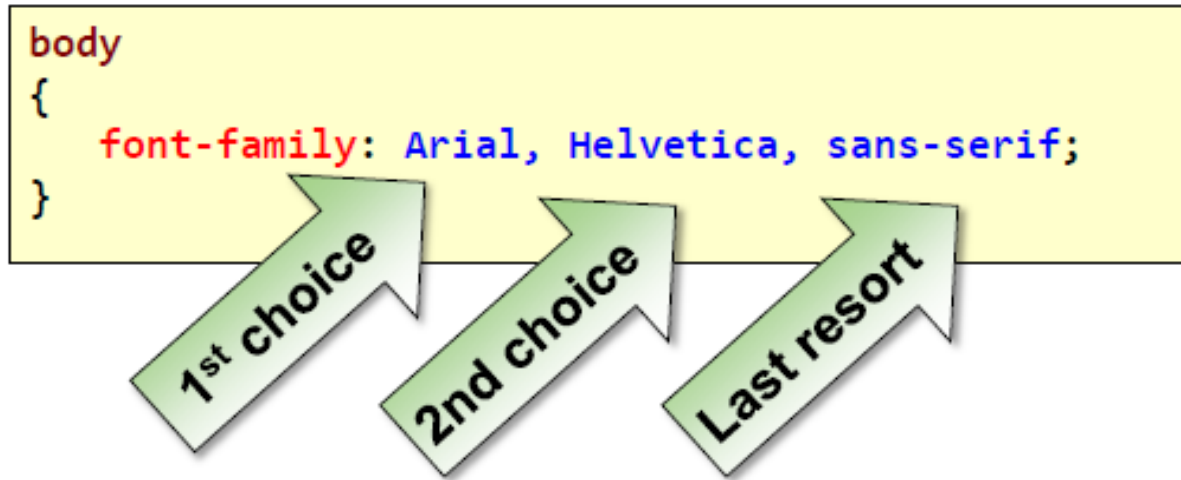
Font Koleksiyonları

```
body
{
  font-family: sans-serif;
}
```

Family Name	Collection Name
Times New Roman	serif
Arial	sans-serif
Comic Sans	cursive
Impact	fantasy
Courier New	monospace



Font Families



Arial	Arial Black	Arial Narrow
Century Gothic	Comic Sans MS	Courier
Franklin Gothic	Georgia	Impact
Σψμβολ (Symbol)	Tahoma	Times
Trebuchet MS	Verdana	► ❏ ❏ ❏ ❏ ❏ ❏ ? ❏ (Webdings)

Boyutlandırma ve Stiller (Font Sizing & Styles)

18px (Absolute)
Gives precise control

2em (Relative)
Good for accessibility

```
body {  
  font-family: sans-serif;  
  font-size: 1.1em;  
  font-style: italic;  
  font-weight: bold;  
  font-variant: small-caps;  
}
```

Metin Özellikleri (Text Properties)

Property Names

text-indent

letter-spacing

word-spacing

text-decoration

text-align

text-transform

vertical-align

```
body
{
    background:#cccc99;
    font-family: sans-serif;
}

.copyright
{
    font-weight:bold;
    font-size: 0.8em;
}

.code
{
    font-size: 0.9em;
}

ol
{
    font-style:italic;
    font-size: 0.9em;
}

h1
{
    font-family: 'Times New Roman', Serif;
    font-size:1.2em;
    text-align: center;
}

.content
{
    background: #eeeecc;
    padding: 7px;
}
```

Konumlandırma (Positioning)

```
#links  
{  
    position: relative;  
    top: 20px;  
    left: 50px;  
}
```

Static

Static

Static

