



Web Design

Rajani S

Department of Computer
Applications

Web Design

Styling with Cascading Styles Sheets

Rajani S

Department of Computer Applications



Web Design

Property Value Forms

There are 60 different properties in 7 categories:

- o Fonts
- o Lists
- o Alignment of text
- o Margins
- o Colors
- o Backgrounds
- o Borders

- *Property Value Forms*
 - o *Keywords* - left, large, medium, small,...
 - o Not case sensitive



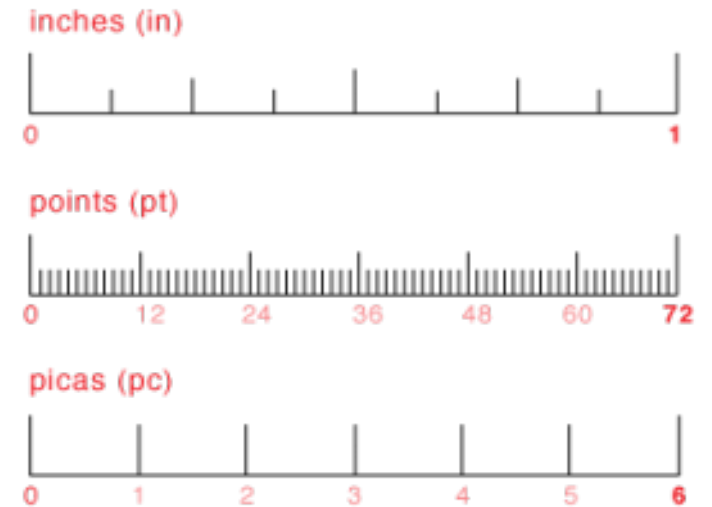
Web Design

Property Value Forms



- *Length* - numbers, maybe with decimal points
- Units: can be used to define sizes, margins, padding, and more
 - **px** - pixels
 - **in** – inches
 - **cm** - centimeters
 - **mm** – millimeters smaller than cm
 - **pt** – points (1/72 inch)
 - **pc** - picas (12 points)
 - **em** – 16 points wide(1em=16px)

- No space is allowed between the number and the unit specification.
- e.g., 1.5 in is illegal!





Web Design

Property Value Forms



px (pixels): Fixed size, good for precise control.

EX: font-size: 16px; or font-size: 12pt;

width: 200px;

in (inches): Less commonly used but can be helpful for print styles.

width: 2in;

height: 5cm;

margin: 10mm;

If you need to convert picas to pixels, remember that 1 pica = 16.67 pixels



Web Design

Property Value Forms

Percentage - just a number followed by a percent sign.

E.g.- 75%

```
p
{
    color: rgb(255, 0, 0);    /* red */

    background-color: rgb(50%, 50%, 0%); /* olive */
}
```



- **Font-family**
 - Value is a list of font names - browser uses the first in the list it has
 - font-family: Arial,Helvetica,Courier
- Generic fonts: serif, sans-serif, cursive, fantasy, and monospace (defined in CSS)

Generic Name	Examples
serif	Times New Roman, Garamond
sans-serif	MS Arial, Helvetica
cursive	Caflisch Script, Zapf-Chancery
fantasy	Critter, Cottonwood
monospace	Courier, Prestige



Syntax

font-family: family-name | generic-family | initial | inherit;

Value

Description

<i>family-name / generic-family</i>	A prioritized list of font family names and/or generic family names
initial	Sets this property to its default value.
inherit	Inherits this property from its parent element.



Web Design

Font Properties



Syntax

font-family: family-name | generic-family | initial | inherit;

```
body { color: blue; }
```

```
p.Inherit  
{  
  color: inherit;  
}
```

Intiial will be browser default (black)

```
p.initial  
{  
  color: initial;  
}
```



Web Design

Font Properties



font-family: family-name | generic-family | initial | inherit;

Parent of Font Family

When you say *parent*, it refers to **inheritance in CSS**.

```
body
{
  font-family: "Times New Roman", Times, serif;
}
```

```
p
{
  font-family: inherit; /* gets font from body */
}
```

- The body has "Times New Roman" as its font.
- The <p> tag doesn't define its own font, so it **inherits from the parent (body)**.



Web Design

Font Properties



```
<html>
<head>
  <meta charset="UTF-8">
  <title>Font Family Inheritance</title>
  <style>
    /* Parent element (body) */
    body
    {
        font-family: "Georgia", Times, serif;
        color:red
    }

    /* Child elements inherit the parent's font */
    h1, p
    {
        font-family: inherit;
        /* explicitly says: use parent's font */
    }
  </style>
```

```
p.initial
{
  color: initial;
}

</head>

<body>
  <h1>This heading inherits from body</h1>
  <p>This paragraph also inherits from body.</p>
  <p class="initial">hai how are you.</p>
</body>
</html>
```



Font Styles : The font-style property specifies **the font style for a text.**

Syntax :

font-style: normal | italic | oblique | initial | inherit;

Normal font style

Italic font style

Oblique font style



Example :

```
<head>
```

```
<style>
```

```
p.a
```

```
{
```

```
font-style: normal;
```

```
}
```

```
p.b
```

```
{
```

```
font-style: italic; }
```

```
p.c {
```

```
font-style: oblique; }
```

```
</style> </head>
```

```
<body>
```

```
<h1>The font-style Property</h1>
```

```
<p class="a">Paragraph 1.</p>
```

```
<p class="b">Paragraph 2.</p>
```

```
<p class="c">Paragraph 3.</p>
```

```
</body>
```



Web Design

Font Style

1 2 3 4 5 6 7 8 9 0 + =
The quick brown
fox jumps over
a lazy dog. / , ; -

ZWritina

AVQEST NØRMAL 123
Black Chancery 123456
Celtic Caps DaleLand
Diamond Fantasy Gismonda
Fantasy One SandFire
Folkard WARLORD
Usgarsh English 123456

Edwardian Script Dobkin Lucinda Calligraphy
Amaze Brock Script Freehand591 BT
Kristen ITC Adler Bernard Tango BT
Bradley Hand ITC
Park Avenue Pristina French Script MS
Harrington T4C Beaulieux Ghostly
Black Chancery Rockwell Americana BT
Elphinstone Blackadder ITC Patrick
Celtic Garamond Gothikka Cloister Black BT
Chalk Childish Alpha Boys & Gross Curl MT
Barton's Nightmare Comic Sans MS Times New Roman
Haunt DRACULA Psycho Poetry Black Jack Old English

Georgia Underlined
Bold italic SMALL CAPS
~~Comic Sans~~ LETTER SPACING
overline Arial



THANK YOU

Rajani s

Department of Computer Applications

rajanis@pes.edu