



PES
UNIVERSITY

CELEBRATING 50 YEARS

Web Design

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Web Design

Styling with Cascading Styles Sheets

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Property Value Forms



There are 60 different properties in 7 categories:

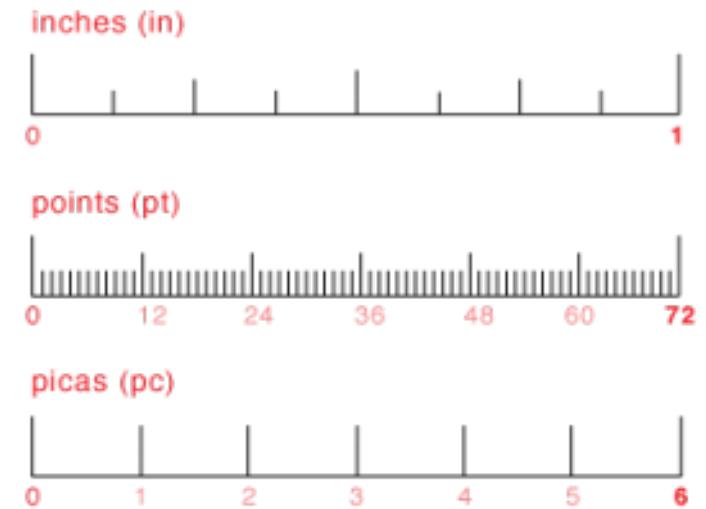
- o Fonts
 - o Lists
 - o Alignment of text
 - o Margins
 - o Colors
 - o Backgrounds
 - o Borders
-
- *Property Value Forms*
 - o *Keywords* - left, large, medium, small, ...
 - o Not case sensitive



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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



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Property Value Forms



Percentage - just a number followed by a percent sign.

E.g.- 75%

```
p {  
    color: red; /* red */  
}
```

```
background-color: olive; /* olive */  
}
```



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Font Properties



- **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



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Font Properties



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.



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Font Properties



Syntax

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

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

```
p.Inherit
```

```
{  
color: inherit;  
}
```

Initial will be browser default (black)

```
p.initial
```

```
{  
color: initial;  
}
```



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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)**.



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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>
```



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Font Style



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



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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>
```



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Font Style

1234567890+=
 The quick brown
 fox jumps over
 a lazy dog.!,; —

ZWritina

AvQuest Normal I23
 Black Chancery 123456
 Celtic Caps DaleLand
 Diamond Fantasy Gismonda
 Fantasy One SandFire
 Folkard WarLord
 Isqarji English 123456

Edwardian Script	Dobkin	Lucinda Calligraphy
Amaze	Brock Script	Freekland591 BT
Kristen ITC	Adler	BernardTango BT
	BradleyHand ITC	
Park Avenue	Pristina	French Script MT
Harrington	T4C Beaulieu	Ghostly
Black Chancery	Rockwell	Americana BT
	BlackadderITC	Patrick
Celtic Garamond	Gothikka	Cloister Black BT
Chalk	Childish Alpha	BoysRGross
Burton's Nightmare	Comic Sans MS	Curlz MT
Haunt	Psycho Poetry	Times New Roman
DRACULA	Black Jack	Old English

Georgia Underlined

Bold italic SMALL CAPS

Comic Sans LETTER SPACING

Overline Arial



THANK YOU

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