Colors Tutorial

Colors are displayed combining RED, GREEN, and BLUE light.

Color Names

With CSS, colors can be set by using color names:

Example

Color	Name
	Red
	Yellow
	Cyan
	Blue
	Magenta

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CSS Color Values

With CSS, colors can be specified in different ways:

- By color names
- As RGB values
- As hexadecimal values
- As HSL values (CSS3)
- As HWB values (CSS4)
- With the `currentcolor` keyword

RGB Colors

RGB color values are supported in all browsers.

An RGB color value is specified with: rgb(RED , GREEN , BLUE).

Each parameter defines the intensity of the color as an integer between 0 and 255.

For example, rgb(0,0,255) is rendered as blue, because the blue parameter is set to its highest value (255) and the others are set to 0.

Example

Color	RGB	Color
	rgb(255,0,0)	Red
	rgb(0,255,0)	Green
	rgb(0,0,255)	Blue

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Shades of gray are often defined using equal values for all the 3 light sources:

Example

rgb(0,0,0)	Black
rgb(128,128,128)	Gray
rgb(255,255,255)	White

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Hexadecimal Colors

Hexadecimal color values are also supported in all browsers.

A hexadecimal color is specified with: #RRGGBB.

RR (red), GG (green) and BB (blue) are hexadecimal integers between 00 and FF specifying the intensity of the color.

For example, #0000FF is displayed as blue, because the blue component is set to its highest value (FF) and the others are set to 00.

Example

Color	HEX	RGB	Color
	#FF0000	rgb(255,0,0)	Red
	#00FF00	rgb(0,255,0)	Green
	#0000FF	rgb(0,0,255)	Blue

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Shades of gray are often defined using equal values for all the 3 light sources:

Example

Color	HEX	RGB	Color
	#000000	rgb(0,0,0)	Black
	#808080	rgb(128,128,128)	Gray
	#FFFFFF	rgb(255,255,255)	White

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Upper Case or Lower Case?

You can use upper case or lower case letters to specify hexadecimal values.

Lower case are easier to write. Upper case are easier to read.

Color Names

CSS supports 140 standard color names.

In the next chapter you will find a complete alphabetical list of color names with hexadecimal values:

Color Name	Hex	Color
AliceBlue	#F0F8FF	
AntiqueWhite	#FAEBD7	
Aqua	#00FFFF	
Aquamarine	#7FFFD4	
Azure	#F0FFFF	

| Bisque | #FFE4C4 |

The currentcolor Keyword

The `currentcolor` keyword refers to the value of the color property of an element.

Example

The border color of the following <div> element will be blue, because the text color of the <div> element is blue:

```
#myDIV {
  color: blue; /* Blue text color */
  border: 10px solid currentcolor; /* Blue border color */
}
```

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