

# CSS Properties

## Backgrounds

background-color  
background-image: url(“URL-of-image-file”);  
background-repeat: [repeat-x|repeat-y|no-repeat];  
Default is both vertical and horizontal repeat of background images.  
background-position: [left|right|center|x%] [top|center|bottom|y%];

## Display and Visibility

visibility: [visible|hidden]; Space reserved.  
display: [none|inline|block|table|...|initial]; No space reserved if not displayed.

## Tables

Also see *Box Properties*.  
border-collapse: collapse;  
Merge table and outer cell borders into a single border.  
caption-side: [top|bottom];

## Lists

list-style-type: [circle|square|none] Type of bullet.  
list-style-type: [upper-roman|lower-alpha] Type of numbered list.  
list-style-image: url('file');  
list-style-position:[inside|outside] Markers inside or outside the content flow.  
background Background color.  
padding Padding around the list or item  
margin Margin for the list or item  
margin-left Sets just one margin.  
margin-right

## Text

color  
text-align:[left|right|justify];  
text-decoration:[overline|line-through|underline];  
text-transform:[uppercase|lowercase|capitalize];  
text-indent  
text-shadow: *offset-x offset-y color*;  
line-height Line spacing. Default about 115%.  
font-family: *font-list-by-priority*;  
font-style: [normal|italic|oblique];  
font-size: *value*;  
font-weight: [normal|lighter|bold|number];  
font-variant:[normal|small-caps];

# Block and Inline Elements

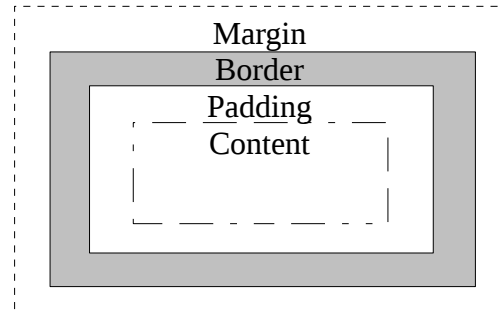
## HTML Block Elements

These take up the full available width, with a line-break before and after. Examples:  
<h1> <p> <li> <div>

## HTML Inline Elements

These take up only as much width as necessary, and do not force line breaks. Examples:  
<span> <a>

## Box Model



## Box Properties

width Width of content.  
height Height of content.  
padding: *width*; Same padding all around.  
padding-top  
padding-right  
padding-bottom  
padding-left  
border: *thickness style color*;  
border-width  
border-color  
border-style (Required.)  
styles: dotted, dashed, solid, double, groove, ridge, inset, outset  
border-radius For rounded corners.  
border-top-left-radius  
border-top-right-radius  
border-bottom-left-radius  
border-bottom-right-radius

**Margin:** margins are transparent, with no background color of their own.  
margin: *width*; Four margins of *width*.  
margin-top  
margin-bottom  
margin-left Set margin-left and margin-right  
margin-right to *auto* to center boxes.

## Outlines

outline: *color style width*  
outline-color  
outline-style: [none|dotted|dashed|solid|double|groove|ridge|inset|outset|inherit];  
outline-width: [thin|medium|thick|value|inherit];

## Dimension Properties

height  
max-height  
max-width  
min-height  
min-width  
width

## Visibility & Display

visibility: visible;  
hidden; Hidden, but takes space.  
scroll; Permanent scroll bars.  
auto; Scroll bars if needed.  
  
display: none; Hidden; takes up no space.  
opacity:[0..1];  
clip: rect(*top right bottom left*); Sets always-visible part.

## Positioning Elements

position: [static|absolute|fixed|relative];  
If not *fixed*:  
top: *distance from top*  
bottom: *distance from bottom*  
right: *distance-from-right-margin*  
left: *distance-from-left-margin*;  
float: [right|left];  
z-index: *n*; Stacking order if overlap. Max *n* on top.

# Scripting CSS

Property values lose any hyphen and take on camelCase:  
box.style.backgroundColor = 'lightBlue';

# HTML Colors

6-digit hex value, like “#ffcc25”, i.e., “#” followed by two hex digits for red, two for green, and two for blue.

RGB value, like “rgb(255,204,37)”

Transparency: “rgba(255,204,37,127)”

a color name, like “red”

## Named Colors (in numerical order):

Black	Navy	DarkBlue
MediumBlue	Blue	DarkGreen
Green	Teal	DarkCyan
DeepSkyBlue	DarkTurquoise	MediumSpringGreen
Lime	SpringGreen	Aqua
Cyan	MidnightBlue	DodgerBlue
LightSeaGreen	ForestGreen	SeaGreen
DarkSlateGrey	LimeGreen	MediumSeaGreen
Turquoise	RoyalBlue	SteelBlue
DarkSlateBlue	MediumTurquoise	Indigo
DarkOliveGreen	CadetBlue	CornflowerBlue
MediumAquaMarine	DimGray	SlateBlue
OliveDrab	SlateGray	SlateGrey
LightSlateGray	MediumSlateBlue	LawnGreen
Chartreuse	Aquamarine	Maroon
Purple	Olive	Gray
SkyBlue	LightSkyBlue	BlueViolet
DarkRed	DarkMagenta	SaddleBrown
DarkSeaGreen	LightGreen	MediumPurple
DarkViolet	PaleGreen	DarkOrchid
YellowGreen	Sienna	Brown
DarkGray	LightBlue	GreenYellow
PaleTurquoise	LightSteelBlue	PowderBlue
FireBrick	DarkGoldenRod	MediumOrchid
RosyBrown	DarkKhaki	Silver
MediumVioletRed	IndianRed	Peru
Chocolate	Tan	LightGray
PaleVioletRed	Thistle	Orchid
GoldenRod	Crimson	Gainsboro
Plum	BurlyWood	LightCyan
Lavender	DarkSalmon	Violet
PaleGoldenRod	LightCoral	Khaki
AliceBlue	HoneyDew	Azure
SandyBrown	Wheat	Beige
WhiteSmoke	MintCream	GhostWhite
Salmon	AntiqueWhite	Linen
LightGoldenRodYellow	OldLace	Red
Fuchsia	Magenta	DeepPink
OrangeRed	Tomato	HotPink
Coral	Darkorange	LightSalmon
Orange	LightPink	Pink
Gold	PeachPuff	NavajoWhite
Moccasin	Bisque	MistyRose
BlanchedAlmond	PapayaWhip	LavenderBlush
SeaShell	Cornsilk	LemonChiffon
FloralWhite	Snow	Yellow
LightYellow	Ivory	White

# Centering Certain Tables

CSS:

```
table.center {
  margin-left:auto;
  margin-right:auto;
}
```

HTML:

```
<table class="center">
:
</table>
```

# CSS

## Quick-Reference Sheet

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## CSS Terminology

element      An HTML tag, e.g. *body*.  
property      A CSS property, e.g., *color*.

## Placement of CSS Styles

### Internal Styling (in the <head> section)

```
<style>
```

```
/* Format all elements of same tagname */
element {property:value[unit]; ... }
```

```
/* Format all elements of same class */
.class { property:value[unit]; ... }
```

```
/* Format element with given id */
#id { property:value[unit]; ... }
```

```
/*Format elements of same name and given class*/
element.class { property:value[unit]; ... }
```

```
/* Format all elements of listed classes */
.class1, .class2,... { property:value[unit]; ... }
```

```
</style>
```

### External Styling (in a separate file)

```
<head>...
```

```
<link rel="stylesheet" type="text/css"
      href="URL-of-CSSfile" />
```

```
...</head>
```

### Inline Styling (within HTML tags)

```
<tagname style="property:value[unit]; ...">
```

## CSS Basics

### CSS Comments

```
/*This is a CSS
comment.*/
```

### CSS Units

px	pixels
ch	characters in widths of '0' (zero)
em	size of the current font
vmin	1% of viewport's smaller dimension
vmax	1% of viewport's larger dimension
%	percent of window width
pt	points. For text.