

COMMON CSS PROPERTIES

CSS Comment	<code>/* comment */</code>
CSS Rule Syntax	<code>selector { property: value; }</code>
Example: Targets all <p> tags to change text color to red	<code>p { color: red; }</code>
FONT PROPERTIES	
Specify font for an element	<code>font-family: "Times New Roman", Times, serif; font-family:</code>
Set font size for an element	<code>font-size: 12px; font-size: [large small]; font-size: 200%;</code>
Set font to normal or italic	<code>font-style: italic; font-style: normal;</code>
Set font to normal or bold	<code>font-weight: bold; font-weight: normal;</code>
Set to small-caps or normal	<code>font-variant: small-caps; font-variant: normal;</code>
Shorthand	<code>font: style, variant, weight, size/height, family</code>
TEXT PROPERTIES	
Set the color of text	<code>color: red;</code>
Set space between characters	<code>letter-spacing: normal;</code>
Set space between lines	<code>line-height: 1.6px; line-height: 80%;</code>
Specify horizontal alignment of text	<code>text-align: center; text-align: right; text-align: left; text-align: justified;</code>
Specify under or overlines	<code>text-decoration: none; text-decoration: overline; text-decoration: underline; text-decoration: overline underline; text-decoration: line-through;</code>
Set text to uppercase, lowercase or capitalize	<code>text-transform: uppercase; text-transform: lowercase; text-transform: capitalize;</code>
Set how text overflow displays	<code>text-overflow: clip; text-overflow: hidden;</code>

BACKGROUND PROPERTIES	
Set the background color	background-color: red;
Set an image as a background	background-image: url("path/to/img.jpg");
Set how background image is displayed	background-repeat: [no-repeat repeat]; background-repeat: [repeat-y repeat-x];
Set starting position of background image	background-position: [center right left]; background-position: x% y%; background-position: x_pos y_pos;
Background shorthand	background: color, image, position, size, repeat, origin, clip, attachment
BORDER PROPERTIES	
Set color of border for element	border-color: red;
Set style of border lines	border-style: none hidden dotted dashed double single groove ridge inset outset initial inherit
Set width for border lines	border-width: [medium thin thick] border-width: 10px;
Border shorthand property	border: width, style, color
SPACING PROPERTIES	
Padding: space between content and border	padding: all-sides padding: top-bottom, right-left padding: top, right-left, bottom padding: top, right, bottom, left
Space between elements	margin: top, right, bottom, left
SIZING PROPERTIES	
Set height of an element	height: [auto initial inherit] height: [15px % of parent]
Set width of an element	width: [auto initial inherit px % of parent]
Set maximum width/height	max-width: [none length initial inherit]; max-height: [none length initial inherit];
Set minimum width/height	min-height: [none length initial inherit]; max-width: [none length initial inherit];
LIST PROPERTIES	
Set style of list marker	list-style-type: [circle square initial inherit]
Set image as list marker	list-style-image: url('/path/to/img.jpg');
Set position of list markers	list-style-position: [outside inside initial]
Shorthand for list	list-style: type, position, image

CSS COLORS

Specify using color name	<code>color: red;</code> <code>color: darkgrey;</code> <code>color: MediumSeaGreen;</code>
Specify using rgb: Example:	<code>rgb(red, green, blue)</code> <code>color: rgb(255,0,255)</code> <code>color: rgb(50, 100, 150)</code> <code>rgb(90, 90, 90)</code>
Specify using rgba: A = Alpha: 0: fully transparent 1: fully opaque	<code>rgba(red, green, blue, alpha)</code> <code>color: rgba(255, 0, 0, 0.3);</code> <code>color: rgba(255, 0, 0, 1);</code>
Specify using hexadecimal Example:	<code>#rrggbb</code> <code>color: 009900;</code> <code>color: ff22aa;</code>
Three-digit hex code: Equivalent to ff0000: Equivalent to ffcc99:	<code>#rgb</code> <code>color: f00;</code> <code>color: #fc9;</code>
Specify using hsl Hue = degree from 0 – 360 0: red, 120: green, 240: blue Saturation = 0 – 100% 0 = grey, 100 = full color Lightness = 0 – 100% 0 = black, 100% = white	<code>hsl(hue, saturation, lightness)</code> <code>color: hsl(0, 100%, 50%);</code> <code>color: hsl(100, 50%, 25%);</code> <code>color: hsl(240, 75%, 50%);</code> <code>color: hsl(360, 50%, 60%);</code> <code>color: hsl(300, 20%, 50%);</code>

CSS UNITS OF MEASUREMENT

Relative in CSS2, absolute in CSS3 (1/96th of an inch)	px
Value of the font-size property of the element it is used on.	em
Value relative to the parent element	%
Value relative to the x-height of the current font	ex
Value relative to width of "0" (zero) of the current font	ch
Value relative to font-size of the root element	rem
Value from 0 – 100, relative to 1% of the width/height of viewport	vw/vh
Absolute value of an inch, centimeter and millimeter	in/cm/mm
Absolute value of a point (pt = 1/72 of an inch) & pica (pc = 1/6 of an inch)	pt/pc

SELECTORS

Universal (all) selector	<code>* { ... }</code>
Element selector: Selects all p tags	<code>p { ... }</code>
Grouped selector: Selects all p, div, and h1 tags	<code>p, div, h1 { ... }</code>
Class selector: Selects all elements with class name 'cl1'	<code>.cl1 { ... }</code>
Selects only p elements with the class name 'cl1'	<code>p.cl1 { ... }</code>
Id selector: Selects element with id name 'id1'	<code>#id1 { ... }</code>
Selects only a div element with the id name 'id1'	<code>div#id1 { ... }</code>
Attribute selector: Selects elements with attribute	<code>[attribute]</code>
Example: Targets elements with href attribute	HTML: <code>Link</code> CSS: <code>[href] { ... }</code>
Select specific tag with given attribute	<code>tag[attribute]</code>
Example: Matches img tags with alt attribute	<code>img[alt]</code>
Matches attributes set to value	<code>[attribute="value"]</code>
<code>~=</code> : Matches attribute value containing 'example'	<code>[attribute~="example"]</code>
<code>^=</code> : Matches attribute value beginning with 'example'	<code>[attribute^="test"]</code>
<code>\$=</code> : Matches attributes value ending with 'example'	<code>[attribute\$="test"]</code>

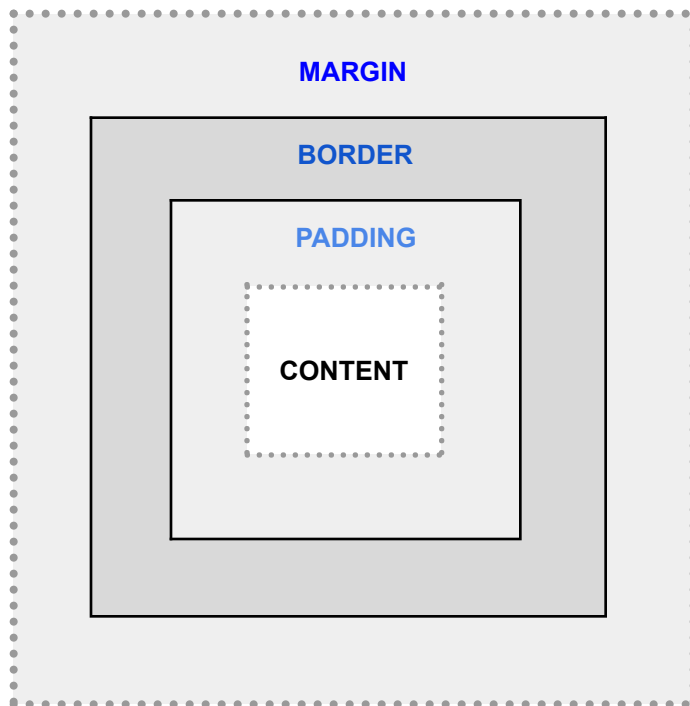
combinators

Descendant: All elements contained within another	<code>parent descendant { ... }</code>
Example: Selects all <p> elements within <div> elements	<code>div p { ... }</code>
Child: Element that is a direct child of specified element	<code>parent>child { ... }</code>
Example: Selects <p> elements that are directly inside div	<code>div>p { ... }</code>
Adjacent Sibling: Targets elements directly after another	<code>sib1+sib2 { ... }</code>
Example: Selects all <h2> tags directly after <h1> tags	<code>h2+h1 { ... }</code>
General Sibling: Targets all elements after another	<code>sib1~sib2 { ... }</code>
Example: Selects all <p> tags after <h2> tags	<code>h2~p { ... }</code>

pseudo selectors

Syntax	selector: pseudo-class { property: value; }
Hover: Targets elements with mouseover	element:hover
Example: Targets all p tags with the class 'target' when they are being hovered over	p.target:hover { ... }
Example: Targets all p tags within a div when the div element is being hovered over	div:hover p { ... }
<a> tag: Unvisited link Visited link Mouse-over link Selected (click-down) link	a:link a:visited a:hover /* after link & visited */ a:active /* after hover */
<input> tag: Input elements that are checked Input elements that are disabled Input elements that are enabled (default) Input elements that have focus (clicked on) Input elements within a specific range Input elements with an invalid value Input elements with a valid value Input elements with a required attribute Input elements without a required attribute	input:checked input:disabled input:enabled input:focus input:in-range input:invalid input:valid input:required input:optional
Elements that are the first child	element:first-child
Example: Matches first <i> inside a <p> tag	p i:first-child
Elements that are the last child	element:last-child
Elements that are the only child of its parent	element:only-child
Every child element whose index is odd	element:nth-child(odd)
Every child element whose index is even	element:nth-child(even)
Every <p> element that is the first <p> element of its parent	p:first-of-type
Every <p> element that is the last <p> element of its parent	p:last-of-type
Every <p> element that is the only <p> element of its parent	p:only-of-type

BOX MODEL



ELEMENT WIDTH:

[LeftMargin](#)
+ [LeftBorder](#)
+ [LeftPadding](#)
+ Width
+ [RightPadding](#)
+ [RightBorder](#)
+ [RightMargin](#)

ELEMENT HEIGHT:

[TopMargin](#)
+ [TopBorder](#)
+ [TopPadding](#)
+ Height
+ [BottomPadding](#)
+ [BottomBorder](#)
+ [BottomMargin](#)

INHERITANCE