

The complete CSS Guide

Topics Covered:

- What is CSS?
- CSS Font properties.
- CSS Text properties.
- CSS Background properties.
- CSS Border properties.
- Box Model properties.
 - Margin properties.
 - Padding properties.
- CSS Table properties.
- CSS Positioning properties.
- CSS Transition properties.

Topics in Detail:

CSS:

- **CSS stands for** Cascading Style Sheets.
- The documents written in HTML are formatted and presented using CSS.
- There are many features in HTML and CSS is the most popular addition to it. Rather than changing the web page itself, with CSS, only the styles need to be changed, which means fewer changes to the overall code.
- Further, HTML contains a lot of repeated code for each web page, which can be put in a common file with CSS and used across web pages.
- **CSS contains** – selector and declaration block. A declaration block consists of property-value pairs.

Font

Property	Values	Example
font-style	normal/italic/inherit/oblique	font-style: normal
font-variant	normal/inherit/small-caps	font-variant: small-caps
font-weight	normal/bold/bolder/lighter/100-900/inherit	font-weight: bold

font-size	?px/?%/small/medium/large	font-size: large font-size :5
font-family	verdana/calibri.. etc...	font-family: verdana

Text

Property	Values	Example
text-align	left/right/center/justify	text-align: justify;
letter spacing	normal/length/?%	letter spacing : 3%;
Text-outline	None/length/color	Text-outline: red
word-wrap	normal/length	word-wrap: normal;
direction	ltr/rtl/inherit	Direction: ltr;
text-wrap	normal/unrestricted/none	text-wrap: normal
text-indent	?%/?px	text-indent: 2%
word-spacing	normal/?%/?px	word-spacing: normal
text-transform	none/uppercase/lowercase/capitalize	text-transform: lowercase
text-emphasis	none/dot/open/filled/circle/triangle	text-emphasis: filled
text-justify	auto/distribute/inter-word	text-justify:distribute

Backgrounds

Property	Values	Example
background-size	auto/cover/?px/?%	background-size: cover
background-image	url/none	background-image: none
background-repeat	no-repeat/repeat-x/repeat-y/repeat	background-repeat: repeat
background-attachment	fixed/scroll	background-attachment: fixed
background-color	color/transparent	background-color: white
background-position	can be any position from different combinations like top left, top right, top center. Same with the bottom. can be mentioned in terms of position x-% and y-%	background-position: top-left;
background-origin	the starting point of the background	background-origin: 0;
background-clip - lets you control how much of the background image should extend beyond the element's content or padding	content-box/padding-box/border-box/no-clip/?%/?px	background-clip: no-clip

Borders

Property	Values	Example
border-width	thin/thick/medium/?px	border-width: medium border-width: 20px
border-style	none/dashed/dotted/inset/double/solid	border-style : dotted
border-color	name of the color	border-color: black
<i>border-left</i> : border-left-color border-left-width		border-left-color: black border-left-width : 10px
<i>border-right</i> : border-right-color border-right-width		border-right-color : black border-right-width : 15px
<i>border-top</i> : border-top-width border-top-color		border-top-width : 10px border-top-color : blue
<i>border-bottom</i> : border-bottom-color border-bottom-width		border-bottom-color : black border-bottom-width : 15px
border-decoration-break	maintain consistent design amongst fragments of broken element slice/clone	border-decoration-break: slice;

<i>border-radius</i> border-top-right-radius border-bottom-right-radius border-bottom-left-radius border-top-left-radius	?px	border-top-left-radius : 20px
border-image	?%/stretch/repeat/round/non e	border-image : repeat border-image : 12px

Box Model

Property	Values	Example
float	left right none	float : right
height	auto length %	height : 10px
max-height	none length %	max-height : 10px
max-width	none length %	max-width : 120%
min-height	none length %	min-height : 50%
min-width	auto % length	min-width : 30px

Margin

Property	Values	Example
margin-bottom	auto/length %	margin-bottom : 20px
margin-left	auto/height %	margin-left : auto
margin-right	auto/height %	margin-right : 30%
margin-top	auto/length %	margin-top : 40mm

Padding

Property	Values	Example
padding-bottom	length %	padding-bottom : 20px
padding-top	length %	padding-top : 20px
padding-right	length %	padding-right : 20px
padding-left	length %	padding-left : 20px
display	none/inline/block/inline-block/list-item/run-in/compact/table/inline-table/table-row-group/table-headergroup/table-footer-group/table-row/table-column-group/table-column/table-cell/table-caption/ruby/ruby-base/ruby-text/ruby-base-group/ruby-text-group	display : inline

marquee-direction	forward/reverse	marquee-direction : forward
marquee-loop	infinite/integer	marquee-loop : 10
marquee-play-count	infinite/integer	marquee-play-count : 50
marquee-speed	slow/normal/fast	marquee-speed : slow
marquee-style	scroll/slide/alternate	marquee-style : scroll
overflow	visible/hidden/scroll/auto/no-display/no-content/overflow-x/overflow-y	overflow : visible
overflow-style	auto/marquee-line/marquee-block	overflow-style : auto
overflow-x	visible/hidden/scroll/auto/no-display/no-content	overflow-x : scroll
rotation	angle	rotation : 20deg
rotation-point	position (paired value off-set)	rotation-point : 50% 50%
visibility	visible/hidden/collapse	visibility: hidden
clear	left/right/both/none	clear: left

Table

Property	Possible values
border-collapse	collapse/separate
empty-cells	show/hide
border-spacing	?%/?px
table-layout	auto/fixed
caption-side	top/bottom/left/right

Positioning

Property	Values	Example
bottom/right/top/left	auto/%/length	bottom: 20% top : auto left : 40px right : 25px
z-index	auto/number	z-index : 2
clip	shape/auto	clip : auto
position	fixed/static/relative/absolute	position : static

Transitions

Property	Values	Example
transitions-delay	time (ms/s)	transitions-delay : 20ms
transitions-duration	time (ms/s)	transitions-duration : 2s
transitions-property	none/all	transitions-property: none
transition-timing-function	ease/linear/ease-in/ease-out/ease-in-out/cubic Bezier(number, number, number, number)	transition-timing-function: ease-in-out;