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CSS Reference

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W3Schools' CSS reference is tested regularly with all major browsers.

CSS Properties

CSS Property Groups

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- Background and Borders
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- Text
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- Masking
- Speech
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The "CSS" column indicates in which CSS version the property is defined (CSS1, CSS2, or CSS3).

Color Properties

Property	Description	css
color	Sets the color of text	1
<u>opacity</u>	Sets the opacity level for an element	3

Background and Border Properties

background background- attachmentA shorthand property for setting all the background properties in one declaration1background- background-blend- modeSets whether a background image is fixed or scrolls with the rest of the page1background-blend- modeSpecifies the blending mode of each background layer (color/image)3background-colorSpecifies the background color of an element1background-imageSpecifies one or more background images for an element1background-positionSpecifies the position of a background image1background-repeatSets how a background image will be repeated1background-clipSpecifies the painting area of the background3background-originSpecifies where the background image(s) is/are positioned3background-sizeSpecifies the size of the background image(s)3borderSets all the border properties in one declaration1border-bottomSets all the bottom border properties in one declaration1border-bottom-colorSets the color of the bottom border1border-bottom-left-radiusDefines the shape of the border of the bottom-left corner3	Property	Description	css
attachmentthe rest of the pagebackground-blend-modeSpecifies the blending mode of each background layer (color/image)3background-colorSpecifies the background color of an element1background-imageSpecifies one or more background images for an element1background-positionSpecifies the position of a background image1background-repeatSets how a background image will be repeated1background-clipSpecifies the painting area of the background3background-originSpecifies where the background image(s) is/are positioned3background-sizeSpecifies the size of the background image(s)3borderSets all the border properties in one declaration1border-bottomSets all the bottom border properties in one declaration1border-bottom-colorSets the color of the bottom border1border-bottom-left-Defines the shape of the border of the bottom-left corner3	<u>background</u>		1
mode(color/image)background-colorSpecifies the background color of an element1background-imageSpecifies one or more background images for an element1background-positionSpecifies the position of a background image1background-repeatSets how a background image will be repeated1background-clipSpecifies the painting area of the background3background-originSpecifies where the background image(s) is/are positioned3background-sizeSpecifies the size of the background image(s)3borderSets all the border properties in one declaration1border-bottomSets all the bottom border properties in one declaration1border-bottom-colorSets the color of the bottom border1border-bottom-left-Defines the shape of the border of the bottom-left corner3	<u> </u>		1
background-imageSpecifies one or more background images for an element1background-positionSpecifies the position of a background image1background-repeatSets how a background image will be repeated1background-clipSpecifies the painting area of the background3background-originSpecifies where the background image(s) is/are positioned3background-sizeSpecifies the size of the background image(s)3borderSets all the border properties in one declaration1border-bottomSets all the bottom border properties in one declaration1border-bottom-colorSets the color of the bottom border1border-bottom-left-Defines the shape of the border of the bottom-left corner3			3
background-positionSpecifies the position of a background image1background-repeatSets how a background image will be repeated1background-clipSpecifies the painting area of the background3background-originSpecifies where the background image(s) is/are positioned3background-sizeSpecifies the size of the background image(s)3borderSets all the border properties in one declaration1border-bottomSets all the bottom border properties in one declaration1border-bottom-colorSets the color of the bottom border1border-bottom-left-Defines the shape of the border of the bottom-left corner3	background-color	Specifies the background color of an element	1
background-repeatSets how a background image will be repeated1background-clipSpecifies the painting area of the background3background-originSpecifies where the background image(s) is/are positioned3background-sizeSpecifies the size of the background image(s)3borderSets all the border properties in one declaration1border-bottomSets all the bottom border properties in one declaration1border-bottom-colorSets the color of the bottom border1border-bottom-left-Defines the shape of the border of the bottom-left corner3	background-image	Specifies one or more background images for an element	1
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background-originSpecifies where the background image(s) is/are positioned3background-sizeSpecifies the size of the background image(s)3borderSets all the border properties in one declaration1border-bottomSets all the bottom border properties in one declaration1border-bottom-colorSets the color of the bottom border1border-bottom-left-Defines the shape of the border of the bottom-left corner3	background-repeat	Sets how a background image will be repeated	1
background-sizeSpecifies the size of the background image(s)3borderSets all the border properties in one declaration1border-bottomSets all the bottom border properties in one declaration1border-bottom-colorSets the color of the bottom border1border-bottom-left-Defines the shape of the border of the bottom-left corner3	background-clip	Specifies the painting area of the background	3
borderSets all the border properties in one declaration1border-bottomSets all the bottom border properties in one declaration1border-bottom-colorSets the color of the bottom border1border-bottom-left-Defines the shape of the border of the bottom-left corner3	background-origin	Specifies where the background image(s) is/are positioned	3
border-bottomSets all the bottom border properties in one declaration1border-bottom-colorSets the color of the bottom border1border-bottom-left-Defines the shape of the border of the bottom-left corner3	background-size	Specifies the size of the background image(s)	3
border-bottom-color Sets the color of the bottom border 1 border-bottom-left- Defines the shape of the border of the bottom-left corner 3	<u>border</u>	Sets all the border properties in one declaration	1
<u>border-bottom-left-</u> Defines the shape of the border of the bottom-left corner 3	border-bottom	Sets all the bottom border properties in one declaration	1
· ·	border-bottom-color	Sets the color of the bottom border	1
		Defines the shape of the border of the bottom-left corner	3

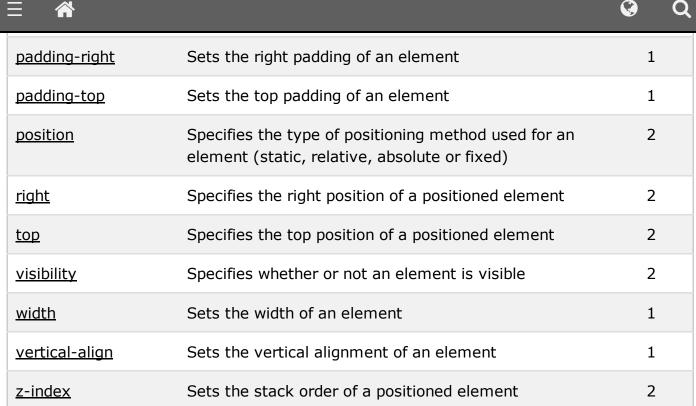
border-bottom- right-radius	Defines the shape of the border of the bottom-right corner	3
border-bottom-style	Sets the style of the bottom border	1
border-bottom- width	Sets the width of the bottom border	1
border-color	Sets the color of the four borders	1
border-image	A shorthand property for setting all the border-image-* properties	3
border-image-outset	Specifies the amount by which the border image area extends beyond the border box	3
border-image- repeat	Specifies whether the border image should be repeated, rounded or stretched	3
border-image-slice	Specifies how to slice the border image	3
border-image- source	Specifies the path to the image to be used as a border	3
border-image-width	Specifies the widths of the image-border	3
border-left	Sets all the left border properties in one declaration	1
border-left-color	Sets the color of the left border	1
border-left-style	Sets the style of the left border	1
border-left-width	Sets the width of the left border	1
border-radius	A shorthand property for setting all the four border-*- radius properties	3
border-right	Sets all the right border properties in one declaration	1
border-right-color	Sets the color of the right border	1
border-right-style	Sets the style of the right border	1
border-right-width	Sets the width of the right border	1
border-style	Sets the style of the four borders	1
border-top	Sets all the top border properties in one declaration	1
border-top-color	Sets the color of the top border	1
border-top-left-	Defines the shape of the border of the top-left corner	3

<u>radius</u>		
border-top-right- radius	Defines the shape of the border of the top-right corner	3
border-top-style	Sets the style of the top border	1
border-top-width	Sets the width of the top border	1
border-width	Sets the width of the four borders	1
box-decoration- break	Sets the behaviour of the background and border of an element at page-break, or, for in-line elements, at line-break.	3
box-shadow	Attaches one or more drop-shadows to the box	3

Basic Box Properties

Property	Description	CSS
<u>bottom</u>	Specifies the bottom position of a positioned element	2
<u>clear</u>	Specifies which sides of an element where other floating elements are not allowed	1
clip	Clips an absolutely positioned element	2
display	Specifies how a certain HTML element should be displayed	1
float	Specifies whether or not a box should float	1
<u>height</u>	Sets the height of an element	1
<u>left</u>	Specifies the left position of a positioned element	2
margin	Sets all the margin properties in one declaration	1
margin-bottom	Sets the bottom margin of an element	1
margin-left	Sets the left margin of an element	1
margin-right	Sets the right margin of an element	1
margin-top	Sets the top margin of an element	1
max-height	Sets the maximum height of an element	2
max-width	Sets the maximum width of an element	2

padding padding-bottom	Specifies whether or not to clip the top/bottom edges of the content, if it overflows the element's content area Sets all the padding properties in one declaration Sets the bottom padding of an element	1
padding	the content, if it overflows the element's content area	
		3
overflow-y		
overflow-x	Specifies whether or not to clip the left/right edges of the content, if it overflows the element's content area	3
<u>overflow</u>	Specifies what happens if content overflows an element's box	2
min-width	Sets the minimum width of an element	2
min-height	Sets the minimum height of an element	2



Flexible Box Layout

Property	Description	CSS
align-content	Specifies the alignment between the lines inside a flexible container when the items do not use all available space	3
align-items	Specifies the alignment for items inside a flexible container	3
align-self	Specifies the alignment for selected items inside a flexible container	3

flex	Specifies the length of the item, relative to the rest	3
<u>flex-basis</u>	Specifies the initial length of a flexible item	3
flex-direction	Specifies the direction of the flexible items	3
flex-flow	A shorthand property for the flex-direction and the flex- wrap properties	3
flex-grow	Specifies how much the item will grow relative to the rest	3
flex-shrink	Specifies how the item will shrink relative to the rest	3
flex-wrap	Specifies whether the flexible items should wrap or not	3
justify-content	Specifies the alignment between the items inside a flexible	3



Text Properties

Property	Description	CSS
hanging-punctuation	Specifies whether a punctuation character may be placed outside the line box	3
hyphens	Sets how to split words to improve the layout of paragraphs	3
<u>letter-spacing</u>	Increases or decreases the space between characters in a text	1
line-break	Specifies how/if to break lines	3
<u>line-height</u>	Sets the line height	1
overflow-wrap	Specifies whether or not the browser may break lines within words in order to prevent overflow (when a string is too long to fit its containing box)	3
<u>tab-size</u>	Specifies the length of the tab-character	3
text-align	Specifies the horizontal alignment of text	1
text-align-last	Describes how the last line of a block or a line right before a forced line break is aligned when text-align is "justify"	3
text-combine- upright	Specifies the combination of multiple characters into the space of a single character	3

text-indent	Specifies the indentation of the first line in a text-block	1
text-justify	Specifies the justification method used when text-align is "justify"	3
text-transform	Controls the capitalization of text	1
white-space	Specifies how white-space inside an element is handled	1
word-break	Specifies line breaking rules for non-CJK scripts	3
word-spacing	Increases or decreases the space between words in a text	1
word-wrap	Allows long, unbreakable words to be broken and wrap to the next line	3

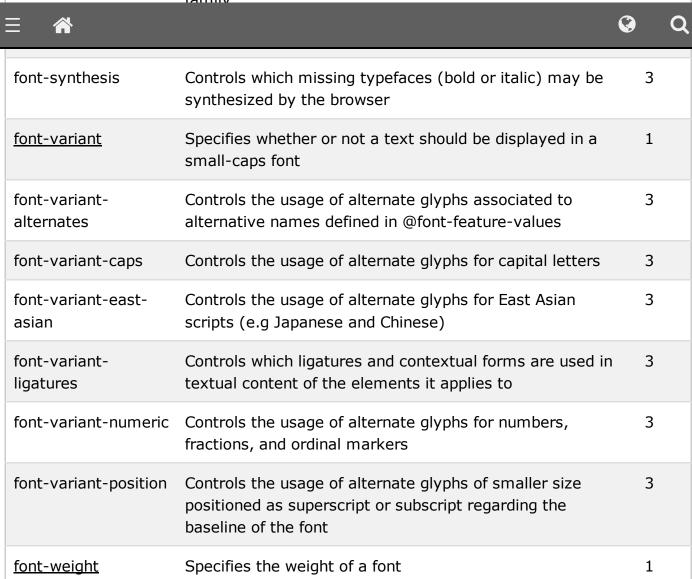


Property	Description	css
text-decoration	Specifies the decoration added to text	1
text-decoration- color	Specifies the color of the text-decoration	3
text-decoration-line	Specifies the type of line in a text-decoration	3
text-decoration- style	Specifies the style of the line in a text decoration	3
text-shadow	Adds shadow to text	3
text-underline- position	Specifies the position of the underline which is set using the text-decoration property	3

Font Properties

Property	Description	CSS
@font-face	A rule that allows websites to download and use fonts other than the "web-safe" fonts	3
@font-feature- values	Allows authors to use a common name in font-variant- alternate for feature activated differently in OpenType	3
font	Sets all the font properties in one declaration	1
font-family	Specifies the font family for text	1

font-feature-settings	Allows control over advanced typographic features in OpenType fonts	3
font-kerning	Controls the usage of the kerning information (how letters are spaced)	3
font-language- override	Controls the usage of language-specific glyphs in a typeface	3
font-size	Specifies the font size of text	1
font-size-adjust	Preserves the readability of text when font fallback occurs	3
font-stretch	Selects a normal, condensed, or expanded face from a font family	3

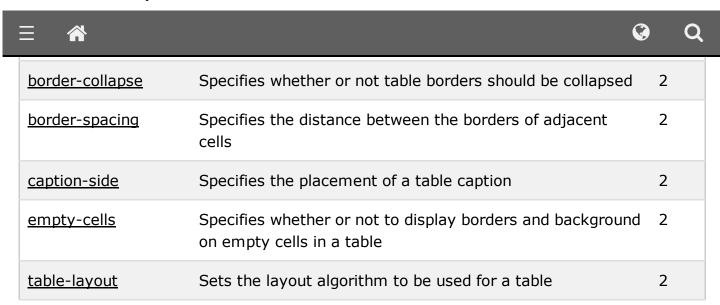


Writing Modes Properties

Property	Description	css

direction	Specifies the text direction/writing direction	2
text-orientation	Defines the orientation of the text in a line	3
text-combine- upright	Specifies the combination of multiple characters into the space of a single character	3
unicode-bidi	Used together with the <u>direction</u> property to set or return whether the text should be overridden to support multiple languages in the same document	2
writing-mode		3

Table Properties



Lists and Counters Properties

Property	Description	css
counter-increment	Increments one or more counters	2
counter-reset	Creates or resets one or more counters	2
<u>list-style</u>	Sets all the properties for a list in one declaration	1
list-style-image	Specifies an image as the list-item marker	1
list-style-position	Specifies if the list-item markers should appear inside or outside the content flow	1
list-style-type	Specifies the type of list-item marker	1

Animation Properties

Property	Description	CSS
@keyframes	Specifies the animation code	3
animation	A shorthand property for all the animation properties (except animation-play-state and animation-fill-mode)	3
animation-delay	Specifies a delay for the start of an animation	3
animation-direction	Specifies whether or not the animation should play in reverse on alternate cycles	3
animation-duration	Specifies how many seconds or milliseconds an animation takes to complete one cycle	3

_	animation fill mada	Charifica a style for the element when the enimation is n	<u>~+ ⊃</u>	_
	≡ ☆		③	Q
	animation-iteration- count	Specifies the number of times an animation should be played	3	
	animation-name	Specifies the name of the @keyframes animation	3	
	animation-play- state	Specifies whether the animation is running or paused	3	
	animation-timing- function	Specifies the speed curve of an animation	3	

Transform Properties

Property	Description	CSS
backface-visibility	Defines whether or not an element should be visible when not facing the screen	3
perspective	Specifies the perspective on how 3D elements are viewed	3
perspective-origin	Specifies the bottom position of 3D elements	3
<u>transform</u>	Applies a 2D or 3D transformation to an element	3
transform-origin	Allows you to change the position on transformed elements	3
transform-style	Specifies how nested elements are rendered in 3D space	3

Transitions Properties

Property	Description	CSS
transition	A shorthand property for setting the four transition properties	3
transition-property	Specifies the name of the CSS property the transition effect is for	3
transition-duration	Specifies how many seconds or milliseconds a transition effect takes to complete	3
transition-timing- function	Specifies the speed curve of the transition effect	3
transition-delay	Specifies when the transition effect will start	3



Property	Description	CSS
box-sizing	Tells the browser what the sizing properties (width and height) should include	3
<u>content</u>	Used with the :before and :after pseudo-elements, to insert generated content	2
<u>cursor</u>	Specifies the type of cursor to be displayed	2
ime-mode	Controls the state of the input method editor for text fields	3
nav-down	Specifies where to navigate when using the arrow-down navigation key	3
nav-index	Specifies the tabbing order for an element	3
nav-left	Specifies where to navigate when using the arrow-left navigation key	3
nav-right	Specifies where to navigate when using the arrow-right navigation key	3
nav-up	Specifies where to navigate when using the arrow-up navigation key	3
<u>outline</u>	Sets all the outline properties in one declaration	2
outline-color	Sets the color of an outline	2
outline-offset	Offsets an outline, and draws it beyond the border edge	3

<u>outline-style</u>	Sets the style of an outline	2
outline-width	Sets the width of an outline	2
<u>resize</u>	Specifies whether or not an element is resizable by the user	3
text-overflow	Specifies what should happen when text overflows the containing element	3

Multi-column Layout Properties

Property	Description	CS	S
≡ ☆			Q
break-before	Specifies the page-, column-, or region-break behavior before the generated box	3	
break-inside	Specifies the page-, column-, or region-break behavior inside the generated box	3	
<u>column-count</u>	Specifies the number of columns an element should be divided into	3	
column-fill	Specifies how to fill columns	3	
column-gap	Specifies the gap between the columns	3	
<u>column-rule</u>	A shorthand property for setting all the column-rule-* properties	3	
column-rule-color	Specifies the color of the rule between columns	3	
column-rule-style	Specifies the style of the rule between columns	3	
column-rule-width	Specifies the width of the rule between columns	3	
<u>column-span</u>	Specifies how many columns an element should span across	3	
column-width	Specifies the width of the columns	3	
<u>columns</u>	A shorthand property for setting column-width and column-count	3	
widows	Sets the minimum number of lines that must be left at the top of a page when a page break occurs inside an element	2	

Paged Media

Property	Description	CSS
orphans	Sets the minimum number of lines that must be left at the bottom of a page when a page break occurs inside an element	2
page-break-after	Sets the page-breaking behavior after an element	2
page-break-before	Sets the page-breaking behavior before an element	2
page-break-inside	Sets the page-breaking behavior inside an element	2



Property	Description	css
marks	Adds crop and/or cross marks to the document	3
<u>quotes</u>	Sets the type of quotation marks for embedded quotations	2

Filter Effects Properties

Property	Description	CSS
filter	Defines effects (e.g. blurring or color shifting) on an element before the element is displayed	3

Image Values and Replaced Content

Property	Description	CSS
image-orientation	Specifies a rotation in the right or clockwise direction that a user agent applies to an image (This property is likely going to be deprecated and its functionality moved to HTML)	3
image-rendering	Gives a hint to the browser about what aspects of an image are most important to preserve when the image is scaled	3
image-resolution	Specifies the intrinsic resolution of all raster images used in/on the element	3

object-fit	Specifies how the contents of a replaced element should be fitted to the box established by its used height and width	3
object-position	Specifies the alignment of the replaced element inside its box	3

Masking Properties

Property	Description	css
mask		3
mask-type		3
= 4		



Property	Description	CSS
mark	A shorthand property for setting the mark-before and mark-after properties	3
mark-after	Allows named markers to be attached to the audio stream	3
mark-before	Allows named markers to be attached to the audio stream	3
phonemes	Specifies a phonetic pronunciation for the text contained by the corresponding element	3
rest	A shorthand property for setting the rest-before and rest- after properties	3
rest-after	Specifies a rest or prosodic boundary to be observed after speaking an element's content	3
rest-before	Specifies a rest or prosodic boundary to be observed before speaking an element's content	3
voice-balance	Specifies the balance between left and right channels	3
voice-duration	Specifies how long it should take to render the selected element's content	3
voice-pitch	Specifies the average pitch (a frequency) of the speaking voice	3
voice-pitch-range	Specifies variation in average pitch	3

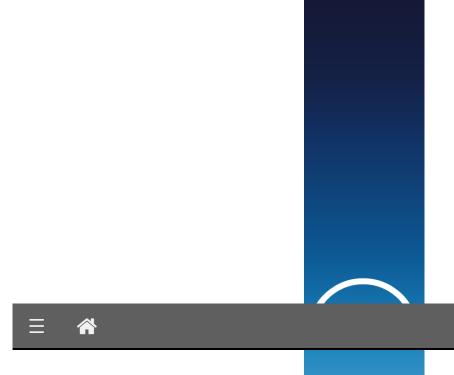
voice-rate	Controls the speaking rate	3
voice-stress	Indicates the strength of emphasis to be applied	3
voice-volume	Refers to the amplitude of the waveform output by the speech synthesises	3

Marquee Properties

Property	Description	CSS
marquee-direction	Sets the direction of the moving content	3
marguoo-nlay-count	Sets how many times the content move	2
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