

CSS Reference

[« W3Schools Home \(/default.asp\)](#)[Next Reference » \(css_selectors.asp\)](#)

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

CSS Properties

CSS Property Groups

- Color
- Background and Borders
- Basic Box
- Flexible Box
- Text
- Text Decoration
- Fonts
- Writing Modes
- Table
- Lists and Counters
- Animation
- Transform
- Transition
- Basic User Interface
- Multi-column
- Paged Media
- Generated Content
- Filter Effects
- Image/Replaced Content
- Masking
- Speech
- Marquee

The "CSS" column indicates in which CSS version the property is defined (CSS1, CSS2, or CSS3).

Color Properties

Property	Description	CSS
----------	-------------	-----

color (pr_text_color.asp)	Sets the color of text	1
opacity (css3_pr_opacity.asp)	Sets the opacity level for an element	3

Background and Border Properties

Property	Description	CSS
background (css3_pr_background.asp)	A shorthand property for setting all the background properties in one declaration	1
background-attachment (pr_background-attachment.asp)	Sets whether a background image is fixed or scrolls with the rest of the page	1
background-color (pr_background-color.asp)	Specifies the background color of an element	1
background-image (pr_background-image.asp)	Specifies one or more background images for an element	1
background-position (pr_background-position.asp)	Specifies the position of a background image	1
background-repeat (pr_background-repeat.asp)	Sets how a background image will be repeated	1
background-clip (css3_pr_background-clip.asp)	Specifies the painting area of the background	3
background-origin (css3_pr_background-origin.asp)	Specifies where the background image(s) is/are positioned	3
background-size (css3_pr_background-size.asp)	Specifies the size of the background image(s)	3

border (pr_border.asp)	Sets all the border properties in one declaration	1
border-bottom (pr_border-bottom.asp)	Sets all the bottom border properties in one declaration	1
border-bottom-color (pr_border-bottom_color.asp)	Sets the color of the bottom border	1
border-bottom-left-radius (css3_pr_border-bottom-left-radius.asp)	Defines the shape of the border of the bottom-left corner	3
border-bottom-right-radius (css3_pr_border-bottom-right-radius.asp)	Defines the shape of the border of the bottom-right corner	3
border-bottom-style (pr_border-bottom_style.asp)	Sets the style of the bottom border	1
border-bottom-width (pr_border-bottom_width.asp)	Sets the width of the bottom border	1
border-color (pr_border-color.asp)	Sets the color of the four borders	1
border-image (css3_pr_border-image.asp)	A shorthand property for setting all the border-image-* properties	3
border-image-outset (css3_pr_border-image-outset.asp)	Specifies the amount by which the border image area extends beyond the border box	3
border-image-repeat (css3_pr_border-image-repeat.asp)	Specifies whether the border image should be repeated, rounded or stretched	3
border-image-slice (css3_pr_border-image-slice.asp)	Specifies how to slice the border image	3

border-image-source (css3_pr_border-image-source.asp)	Specifies the path to the image to be used as a border	3
border-image-width (css3_pr_border-image-width.asp)	Specifies the widths of the image-border	3
border-left (pr_border-left.asp)	Sets all the left border properties in one declaration	1
border-left-color (pr_border-left_color.asp)	Sets the color of the left border	1
border-left-style (pr_border-left_style.asp)	Sets the style of the left border	1
border-left-width (pr_border-left_width.asp)	Sets the width of the left border	1
border-radius (css3_pr_border-radius.asp)	A shorthand property for setting all the four border-* radius properties	3
border-right (pr_border-right.asp)	Sets all the right border properties in one declaration	1
border-right-color (pr_border-right_color.asp)	Sets the color of the right border	1
border-right-style (pr_border-right_style.asp)	Sets the style of the right border	1
border-right-width (pr_border-right_width.asp)	Sets the width of the right border	1
border-style (pr_border-style.asp)	Sets the style of the four borders	1
border-top (pr_border-top.asp)	Sets all the top border properties in one declaration	1

border-top-color (pr_border-top_color.asp)	Sets the color of the top border	1
border-top-left-radius (css3_pr_border-top-left-radius.asp)	Defines the shape of the border of the top-left corner	3
border-top-right-radius (css3_pr_border-top-right-radius.asp)	Defines the shape of the border of the top-right corner	3
border-top-style (pr_border-top_style.asp)	Sets the style of the top border	1
border-top-width (pr_border-top_width.asp)	Sets the width of the top border	1
border-width (pr_border-width.asp)	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 (css3_pr_box-shadow.asp)	Attaches one or more drop-shadows to the box	3

Basic Box Properties

Property	Description	CSS
bottom (pr_pos_bottom.asp)	Specifies the bottom position of a positioned element	2
clear (pr_class_clear.asp)	Specifies which sides of an element where other floating elements are not allowed	1
clip (pr_pos_clip.asp)	Clips an absolutely positioned element	2
display (pr_class_display.asp)	Specifies how a certain HTML element should be displayed	1

float (pr_class_float.asp)	Specifies whether or not a box should float	1
height (pr_dim_height.asp)	Sets the height of an element	1
left (pr_pos_left.asp)	Specifies the left position of a positioned element	2
overflow (pr_pos_overflow.asp)	Specifies what happens if content overflows an element's box	2
overflow-x (css3_pr_overflow-x.asp)	Specifies whether or not to clip the left/right edges of the content, if it overflows the element's content area	3
overflow-y (css3_pr_overflow-y.asp)	Specifies whether or not to clip the top/bottom edges of the content, if it overflows the element's content area	3
padding (pr_padding.asp)	Sets all the padding properties in one declaration	1
padding-bottom (pr_padding-bottom.asp)	Sets the bottom padding of an element	1
padding-left (pr_padding-left.asp)	Sets the left padding of an element	1
padding-right (pr_padding-right.asp)	Sets the right padding of an element	1
padding-top (pr_padding-top.asp)	Sets the top padding of an element	1
position (pr_class_position.asp)	Specifies the type of positioning method used for an element (static, relative, absolute or fixed)	2
right (pr_pos_right.asp)	Specifies the right position of a positioned element	2
top (pr_pos_top.asp)	Specifies the top position of a positioned element	2
visibility	Specifies whether or not an element is visible	2

(pr_class_visibility.asp)		
width (pr_dim_width.asp)	Sets the width of an element	1
vertical-align (pr_pos_vertical-align.asp)	Sets the vertical alignment of an element	1
z-index (pr_pos_z-index.asp)	Sets the stack order of a positioned element	2

Flexible Box Layout

Property	Description	CSS
align-content (css3_pr_align-content.asp)	Specifies the alignment between the lines inside a flexible container when the items do not use all available space.	3
align-items (css3_pr_align-items.asp)	Specifies the alignment for items inside a flexible container.	3
align-self (css3_pr_align-self.asp)	Specifies the alignment for selected items inside a flexible container.	3
display (pr_class_display.asp)	Specifies how a certain HTML element should be displayed	1
flex (css3_pr_flex.asp)	Specifies the length of the item, relative to the rest	3
flex-basis (css3_pr_flex-basis.asp)	Specifies the initial length of a flexible item	3
flex-direction (css3_pr_flex-direction.asp)	Specifies the direction of the flexible items	3
flex-flow (css3_pr_flex-	A shorthand property for the flex-direction and the flex-wrap properties	3

flow.asp)		
flex-grow (css3_pr_flex-grow.asp)	Specifies how much the item will grow relative to the rest	3
flex-shrink (css3_pr_flex-shrink.asp)	Specifies how the item will shrink relative to the rest	3
flex-wrap (css3_pr_flex-wrap.asp)	Specifies whether the flexible items should wrap or not	3
justify-content (css3_pr_justify-content.asp)	Specifies the alignment between the items inside a flexible container when the items do not use all available space.	3
margin (pr_margin.asp)	Sets all the margin properties in one declaration	1
margin-bottom (pr_margin-bottom.asp)	Sets the bottom margin of an element	1
margin-left (pr_margin-left.asp)	Sets the left margin of an element	1
margin-right (pr_margin-right.asp)	Sets the right margin of an element	1
margin-top (pr_margin-top.asp)	Sets the top margin of an element	1
max-height (pr_dim_max-height.asp)	Sets the maximum height of an element	2
max-width (pr_dim_max-width.asp)	Sets the maximum width of an element	2
min-height (pr_dim_min-	Sets the minimum height of an element	2

height.asp)		
min-width (pr_dim_min-width.asp)	Sets the minimum width of an element	2
order (css3_pr_order.asp)	Sets the order of the flexible item, relative to the rest	3

Text Properties

Property	Description	CSS
hanging-punctuation (css3_pr_hanging-punctuation.asp)	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
letter-spacing (pr_text_letter-spacing.asp)	Increases or decreases the space between characters in a text	1
line-break	Specifies how/if to break lines	3
line-height (pr_dim_line-height.asp)	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
tab-size (css3_pr_tab-size.asp)	Specifies the length of the tab-character	3
text-align (pr_text_text-align.asp)	Specifies the horizontal alignment of text	1
text-align-last (css3_pr_text-align-	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

last.asp)		
text-combine-upright	Specifies the combination of multiple characters into the space of a single character	3
text-indent (pr_text_text-indent.asp)	Specifies the indentation of the first line in a text-block	1
text-justify (css3_pr_text-justify.asp)	Specifies the justification method used when text-align is "justify"	3
text-transform (pr_text_text-transform.asp)	Controls the capitalization of text	1
white-space (pr_text_white-space.asp)	Specifies how white-space inside an element is handled	1
word-break (css3_pr_word-break.asp)	Specifies line breaking rules for non-CJK scripts	3
word-spacing (pr_text_word-spacing.asp)	Increases or decreases the space between words in a text	1
word-wrap (css3_pr_word-wrap.asp)	Allows long, unbreakable words to be broken and wrap to the next line	3

Text Decoration Properties

Property	Description	CSS
text-decoration (pr_text_text-decoration.asp)	Specifies the decoration added to text	1
text-decoration-color (css3_pr_text-	Specifies the color of the text-decoration	3

decoration-color.asp)		
text-decoration-line (css3_pr_text-decoration-line.asp)	Specifies the type of line in a text-decoration	3
text-decoration-style (css3_pr_text-decoration-style.asp)	Specifies the style of the line in a text decoration	3
text-shadow (css3_pr_text-shadow.asp)	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 (css3_pr_font-face_rule.asp)	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 (pr_font_font.asp)	Sets all the font properties in one declaration	1
font-family (pr_font_font-family.asp)	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 (pr_font_font-size.asp)	Specifies the font size of text	1
font-size-adjust (css3_pr_font-size-adjust.asp)	Preserves the readability of text when font fallback occurs	3
font-stretch (css3_pr_font-stretch.asp)	Selects a normal, condensed, or expanded face from a font family	3
font-style (pr_font_font-style.asp)	Specifies the font style for text	1
font-synthesis	Controls which missing typefaces (bold or italic) may be synthesized by the browser	3
font-variant (pr_font_font-variant.asp)	Specifies whether or not a text should be displayed in a small-caps font	1
font-variant-alternates	Controls the usage of alternate glyphs associated to alternative names defined in @font-feature-values	3
font-variant-caps	Controls the usage of alternate glyphs for capital letters	3
font-variant-east-asian	Controls the usage of alternate glyphs for East Asian scripts (e.g Japanese and Chinese)	3
font-variant-ligatures	Controls which ligatures and contextual forms are used in textual content of the elements it applies to	3
font-variant-numeric	Controls the usage of alternate glyphs for numbers, fractions, and ordinal markers	3
font-variant-position	Controls the usage of alternate glyphs of smaller size positioned as superscript or subscript regarding the baseline of the font	3

font-weight (pr_font_weight.asp)	Specifies the weight of a font	1
-------------------------------------	--------------------------------	---

Writing Modes Properties

Property	Description	CSS
direction (pr_text_direction.asp)	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 (pr_text_unicode-bidi.asp)	Used together with the direction (pr_text_direction.asp) 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

Property	Description	CSS
border-collapse (pr_border-collapse.asp)	Specifies whether or not table borders should be collapsed	2
border-spacing (pr_border-spacing.asp)	Specifies the distance between the borders of adjacent cells	2
caption-side (pr_tab_caption-side.asp)	Specifies the placement of a table caption	2
empty-cells (pr_tab_empty-cells.asp)	Specifies whether or not to display borders and background on empty cells in a table	2

table-layout (pr_tab_table- layout.asp)	Sets the layout algorithm to be used for a table	2
---	--	---

Lists and Counters Properties

Property	Description	CSS
counter-increment (pr_gen_counter- increment.asp)	Increments one or more counters	2
counter-reset (pr_gen_counter- reset.asp)	Creates or resets one or more counters	2
list-style (pr_list- style.asp)	Sets all the properties for a list in one declaration	1
list-style-image (pr_list-style- image.asp)	Specifies an image as the list-item marker	1
list-style-position (pr_list-style- position.asp)	Specifies if the list-item markers should appear inside or outside the content flow	1
list-style-type (pr_list-style- type.asp)	Specifies the type of list-item marker	1

Animation Properties

Property	Description	CSS
@keyframes (css3_pr_animation- keyframes.asp)	Specifies the animation code	3
animation (css3_pr_animation.asp)	A shorthand property for all the animation properties (except animation-play-state and animation-fill-mode)	3

animation-delay (css3_pr_animation-delay.asp)	Specifies a delay for the start of an animation	3
animation-direction (css3_pr_animation-direction.asp)	Specifies whether or not the animation should play in reverse on alternate cycles	3
animation-duration (css3_pr_animation-duration.asp)	Specifies how many seconds or milliseconds an animation takes to complete one cycle	3
animation-fill-mode (css3_pr_animation-fill-mode.asp)	Specifies a style for the element when the animation is not playing (when it is finished, or when it has a delay)	3
animation-iteration-count (css3_pr_animation-iteration-count.asp)	Specifies the number of times an animation should be played	3
animation-name (css3_pr_animation-name.asp)	Specifies the name of the @keyframes animation	3
animation-play-state (css3_pr_animation-play-state.asp)	Specifies whether the animation is running or paused	3
animation-timing-function (css3_pr_animation-timing-function.asp)	Specifies the speed curve of an animation	3

Transform Properties

Property	Description	CSS
backface-visibility (css3_pr_backface-visibility.asp)	Defines whether or not an element should be visible when not facing the screen	3

perspective (css3_pr_perspective.asp)	Specifies the perspective on how 3D elements are viewed	3
perspective-origin (css3_pr_perspective-origin.asp)	Specifies the bottom position of 3D elements	3
transform (css3_pr_transform.asp)	Applies a 2D or 3D transformation to an element	3
transform-origin (css3_pr_transform-origin.asp)	Allows you to change the position on transformed elements	3
transform-style (css3_pr_transform-style.asp)	Specifies how nested elements are rendered in 3D space	3

Transitions Properties

Property	Description	CSS
transition (css3_pr_transition.asp)	A shorthand property for setting the four transition properties	3
transition-property (css3_pr_transition-property.asp)	Specifies the name of the CSS property the transition effect is for	3
transition-duration (css3_pr_transition-duration.asp)	Specifies how many seconds or milliseconds a transition effect takes to complete	3
transition-timing-function (css3_pr_transition-timing-function.asp)	Specifies the speed curve of the transition effect	3
transition-delay (css3_pr_transition-delay.asp)	Specifies when the transition effect will start	3

Basic User Interface Properties

Property	Description	CSS
box-sizing (css3_pr_box-sizing.asp)	Tells the browser what the sizing properties (width and height) should include	3
content (pr_gen_content.asp)	Used with the :before and :after pseudo-elements, to insert generated content	2
cursor (pr_class_cursor.asp)	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 (css3_pr_nav-down.asp)	Specifies where to navigate when using the arrow-down navigation key	3
nav-index (css3_pr_nav-index.asp)	Specifies the tabbing order for an element	3
nav-left (css3_pr_nav-left.asp)	Specifies where to navigate when using the arrow-left navigation key	3
nav-right (css3_pr_nav-right.asp)	Specifies where to navigate when using the arrow-right navigation key	3
nav-up (css3_pr_nav-up.asp)	Specifies where to navigate when using the arrow-up navigation key	3
outline (pr_outline.asp)	Sets all the outline properties in one declaration	2
outline-color (pr_outline-color.asp)	Sets the color of an outline	2
outline-offset (css3_pr_outline-	Offsets an outline, and draws it beyond the border edge	3

offset.asp)		
outline-style (pr_outline-style.asp)	Sets the style of an outline	2
outline-width (pr_outline-width.asp)	Sets the width of an outline	2
resize (css3_pr_resize.asp)	Specifies whether or not an element is resizable by the user	3
text-overflow (css3_pr_text-overflow.asp)	Specifies what should happen when text overflows the containing element	3

Multi-column Layout Properties

Property	Description	CSS
break-after	Specifies the page-, column-, or region-break behavior after the generated box	3
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
column-count (css3_pr_column-count.asp)	Specifies the number of columns an element should be divided into	3
column-fill (css3_pr_column-fill.asp)	Specifies how to fill columns	3
column-gap (css3_pr_column-gap.asp)	Specifies the gap between the columns	3
column-rule (css3_pr_column-	A shorthand property for setting all the column-rule-* properties	3

rule.asp)		
column-rule-color (css3_pr_column-rule-color.asp)	Specifies the color of the rule between columns	3
column-rule-style (css3_pr_column-rule-style.asp)	Specifies the style of the rule between columns	3
column-rule-width (css3_pr_column-rule-width.asp)	Specifies the width of the rule between columns	3
column-span (css3_pr_column-span.asp)	Specifies how many columns an element should span across	3
column-width (css3_pr_column-width.asp)	Specifies the width of the columns	3
columns (css3_pr_columns.asp)	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 (pr_print_pageba.asp)	Sets the page-breaking behavior after an element	2
page-break-before (pr_print_pagebb.asp)	Sets the page-breaking behavior before an element	2

page-break-inside (pr_print_pagebi.asp)	Sets the page-breaking behavior inside an element	2
--	---	---

Generated Content for Paged Media

Property	Description	CSS
marks	Adds crop and/or cross marks to the document	3
quotes (pr_gen_quotes.asp)	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

Speech Properties

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	3

Marquee Properties

Property	Description	CSS
marquee-direction	Sets the direction of the moving content	3
marquee-play-count	Sets how many times the content move	3
marquee-speed	Sets how fast the content scrolls	3
marquee-style	Sets the style of the moving content	3

« [W3Schools Home \(/default.asp\)](#)

[Next Reference » \(css_selectors.asp\)](#)

Copyright 1999-2015 ([/about/about_copyright.asp](#)) by Refsnes Data. All Rights Reserved.