CSS Properties

A

align-content	Specifies the alignment between the lines inside a flexible container when the items do not use all available space
align-items	Specifies the alignment for items inside a flexible container
align-self	Specifies the alignment for selected items inside a flexible container
all	Resets all properties (except unicode-bidi and direction)
animation	A shorthand property for all the *animation-** properties
animation-delay	Specifies a delay for the start of an animation
animation-direction	Specifies whether an animation should be played forwards, backwards or in alternate cycles
animation-duration	Specifies how long an animation should take to complete one cycle
animation-fill-mode	Specifies a style for the element when the animation is not playing (before it starts, after it ends, or both)
animation-iteration-count	Specifies the number of times an animation should be played
animation-name	Specifies a name for the @keyframes animation
animation-play-state	Specifies whether the animation is running or paused
animation-timing-function	Specifies the speed curve of an animation

B

backface-visibility	Defines whether or not the back face of an element should be visible when facing the user
background	A shorthand property for all the *background-** properties

background-attachment	Sets whether a background image scrolls with the rest of the page, or is fixed
background-blend-mode	Specifies the blending mode of each background layer (color/image)
background-clip	Defines how far the background (color or image) should extend within an element
background-color	Specifies the background color of an element
background-image	Specifies one or more background images for an element
background-origin	Specifies the origin position of a background image
background-position	Specifies the position of a background image
background-repeat	Sets if/how a background image will be repeated
background-size	Specifies the size of the background images
border	A shorthand property for *border-width, border-style* and *border-color*
border-bottom	A shorthand property for *border-bottom-width, border-bottom-style* and *border-bottom-color*
border-bottom-color	Sets the color of the bottom border
border-bottom-left-radius	Defines the radius of the border of the bottom-left corner
border-bottom-right-radius	Defines the radius of the border of the bottom-right corner
border-bottom-style	Sets the style of the bottom border
border-bottom-width	Sets the width of the bottom border
border-collapse	Sets whether table borders should collapse into a single border or be separated

border-color	Sets the color of the four borders
border-image	A shorthand property for all the *border-image-** properties
border-image-outset	Specifies the amount by which the border image area extends beyond the border box
border-image-repeat	Specifies whether the border image should be repeated, rounded or stretched
border-image-slice	Specifies how to slice the border image
border-image-source	Specifies the path to the image to be used as a border
border-image-width	Specifies the width of the border image
border-left	A shorthand property for all the *border-left-** properties
border-left-color	Sets the color of the left border
border-left-style	Sets the style of the left border
border-left-width	Sets the width of the left border
border-radius	A shorthand property for the four *border-*-radius* properties
border-right	A shorthand property for all the *border-right-** properties
border-right-color	Sets the color of the right border
border-right-style	Sets the style of the right border
border-right-width	Sets the width of the right border
border-spacing	Sets the distance between the borders of adjacent cells
border-style	Sets the style of the four borders

border-top	A shorthand property for *border-top-width, border-top-style* and *border-top-color*
border-top-color	Sets the color of the top border
border-top-left-radius	Defines the radius of the border of the top-left corner
border-top-right-radius	Defines the radius of the border of the top-right corner
border-top-style	Sets the style of the top border
border-top-width	Sets the width of the top border
border-width	Sets the width of the four borders
bottom	Sets the elements position, from the bottom of its parent element
box-decoration-break	Sets the behavior of the background and border of an element at page-break, or, for in-line elements, at line-break.
box-shadow	Attaches one or more shadows to an element
box-sizing	Defines how the width and height of an element are calculated: should they include padding and borders, or not
break-after	Specifies whether or not a page-, column-, or region-break should occur after the specified element
break-before	Specifies whether or not a page-, column-, or region-break should occur before the specified element
break-inside	Specifies whether or not a page-, column-, or region-break should occur inside the specified element

C

caption-side	Specifies the placement of a table caption
caret-color	Specifies the color of the cursor (caret) in inputs, textareas, or any element that is editable

@charset	Specifies the character encoding used in the style sheet
clear	Specifies on which sides of an element floating elements are not allowed to float
clip	Clips an absolutely positioned element
color	Sets the color of text
column-count	Specifies the number of columns an element should be divided into
column-fill	Specifies how to fill columns, balanced or not
column-gap	Specifies the gap between the columns
column-rule	A shorthand property for all the *column-rule-** properties
column-rule-color	Specifies the color of the rule between columns
column-rule-style	Specifies the style of the rule between columns
column-rule-width	Specifies the width of the rule between columns
column-span	Specifies how many columns an element should span across
column-width	Specifies the column width
columns	A shorthand property for *column-width* and *column-count*
content	Used with the :before and :after pseudo-elements, to insert generated content
counter-increment	Increases or decreases the value of one or more CSS counters
counter-reset	Creates or resets one or more CSS counters
cursor	Specifies the mouse cursor to be displayed when pointing over an element

D

direction	Specifies the text direction/writing direction
display	Specifies how a certain HTML element should be displayed

E

empty-cells	Specifies whether or not to display borders and background on empty cells in a table

F

filter	Defines effects (e.g. blurring or color shifting) on an element before the element is displayed
flex	A shorthand property for the *flex-grow, flex-shrink*, and the *flex-basis* properties
flex-basis	Specifies the initial length of a flexible item
flex-direction	Specifies the direction of the flexible items
flex-flow	A shorthand property for the *flex-direction* and the *flex-wrap* properties
flex-grow	Specifies how much the item will grow relative to the rest
flex-shrink	Specifies how the item will shrink relative to the rest
flex-wrap	Specifies whether the flexible items should wrap or not
float	Specifies whether or not a box should float
font	A shorthand property for the *font-style, font-variant, font-weight, font-size/line-height*, and the *font-family* properties
@font-face	A rule that allows websites to download and use fonts other than the "web-safe" fonts
font-family	Specifies the font family for text

font-feature-settings	Allows control over advanced typographic features in OpenType fonts
@font-feature-values	Allows authors to use a common name in font-variant-alternate for feature activated differently in OpenType
font-kerning	Controls the usage of the kerning information (how letters are spaced)
font-language-override	Controls the usage of language-specific glyphs in a typeface
font-size	Specifies the font size of text
font-size-adjust	Preserves the readability of text when font fallback occurs
font-stretch	Selects a normal, condensed, or expanded face from a font family
font-style	Specifies the font style for text
font-synthesis	Controls which missing typefaces (bold or italic) may be synthesized by the browser
font-variant	Specifies whether or not a text should be displayed in a small-caps font
font-variant-alternates	Controls the usage of alternate glyphs associated to alternative names defined in @font-feature-values
font-variant-caps	Controls the usage of alternate glyphs for capital letters
font-variant-east-asian	Controls the usage of alternate glyphs for East Asian scripts (e.g Japanese and Chinese)
font-variant-ligatures	Controls which ligatures and contextual forms are used in textual content of the elements it applies to
font-variant-numeric	Controls the usage of alternate glyphs for numbers, fractions, and ordinal markers
font-variant-position	Controls the usage of alternate glyphs of smaller size positioned as superscript or subscript regarding the baseline of the font
font-weight	Specifies the weight of a font

G

grid	A shorthand property for the *grid-template-rows, grid-template-columns, grid-template-areas, grid-auto-rows, grid-auto-columns*, and the *grid-auto-flow* properties
grid-area	Either specifies a name for the grid item, or this property is a shorthand property for the *grid-row-start*, *grid-column-start*, *grid-row-end*, and *grid-column-end* properties
grid-auto-columns	Specifies a default column size
grid-auto-flow	Specifies how auto-placed items are inserted in the grid
grid-auto-rows	Specifies a default row size
grid-column	A shorthand property for the *grid-column-start* and the *grid-column-end* properties
grid-column-end	Specifies where to end the grid item
grid-column-gap	Specifies the size of the gap between columns
grid-column-start	Specifies where to start the grid item
grid-gap	A shorthand property for the *grid-row-gap* and *grid-column-gap* properties
grid-row	A shorthand property for the *grid-row-start* and the *grid-row-end* properties
grid-row-end	Specifies where to end the grid item
grid-row-gap	Specifies the size of the gap between rows
grid-row-start	Specifies where to start the grid item
grid-template	A shorthand property for the *grid-template-rows*, *grid-template-columns* and *grid-areas* properties
grid-template-areas	Specifies how to display columns and rows, using named grid items
grid-template-columns	Specifies the size of the columns, and how many columns in a grid layout

grid-template-rows	Specifies the size of the rows in a grid layout

H

hanging-punctuation	Specifies whether a punctuation character may be placed outside the line box
height	Sets the height of an element
hyphens	Sets how to split words to improve the layout of paragraphs

I

image-rendering	Gives a hint to the browser about what aspects of an image are most important to preserve when the image is scaled
@import	Allows you to import a style sheet into another style sheet
isolation	Defines whether an element must create a new stacking content

J

justify-content	Specifies the alignment between the items inside a flexible container when the items do not use all available space

K

@keyframes	Specifies the animation code

L

left	Specifies the left position of a positioned element
letter-spacing	Increases or decreases the space between characters in a text
line-break	Specifies how/if to break lines
line-height	Sets the line height

list-style	Sets all the properties for a list in one declaration
list-style-image	Specifies an image as the list-item marker
list-style-position	Specifies the position of the list-item markers (bullet points)
list-style-type	Specifies the type of list-item marker

M

margin	Sets all the margin properties in one declaration
margin-bottom	Sets the bottom margin of an element
margin-left	Sets the left margin of an element
margin-right	Sets the right margin of an element
margin-top	Sets the top margin of an element
mask	Hides an element by masking or clipping the image at specific places
mask-type	Specifies whether a mask element is used as a luminance or an alpha mask
max-height	Sets the maximum height of an element
max-width	Sets the maximum width of an element
@media	Sets the style rules for different media types/devices/sizes
min-height	Sets the minimum height of an element
min-width	Sets the minimum width of an element
mix-blend-mode	Specifies how an element's content should blend with its direct parent background

O

object-fit	Specifies how the contents of a replaced element should be fitted to the box established by its used height and width
object-position	Specifies the alignment of the replaced element inside its box
opacity	Sets the opacity level for an element
order	Sets the order of the flexible item, relative to the rest
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
outline	A shorthand property for the *outline-width, outline-style*, and the *outline-color* properties
outline-color	Sets the color of an outline
outline-offset	Offsets an outline, and draws it beyond the border edge
outline-style	Sets the style of an outline
outline-width	Sets the width of an outline
overflow	Specifies what happens if content overflows an element's box
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)
overflow-x	Specifies whether or not to clip the left/right edges of the content, if it overflows the element's content area
overflow-y	Specifies whether or not to clip the top/bottom edges of the content, if it overflows the element's content area

P

padding	A shorthand property for all the *padding-*** properties
padding-bottom	Sets the bottom padding of an element

padding-left	Sets the left padding of an element
padding-right	Sets the right padding of an element
padding-top	Sets the top padding of an element
page-break-after	Sets the page-break behavior after an element
page-break-before	Sets the page-break behavior before an element
page-break-inside	Sets the page-break behavior inside an element
perspective	Gives a 3D-positioned element some perspective
perspective-origin	Defines at which position the user is looking at the 3D-positioned element
pointer-events	Defines whether or not an element reacts to pointer events
position	Specifies the type of positioning method used for an element (static, relative, absolute or fixed)

Q

quotes	Sets the type of quotation marks for embedded quotations

R

resize	Defines if (and how) an element is resizable by the user
right	Specifies the right position of a positioned element

S

scroll-behavior	Specifies whether to smoothly animate the scroll position in a scrollable box, instead of a straight jump

T

tab-size	Specifies the width of a tab character
table-layout	Defines the algorithm used to lay out table cells, rows, and columns
text-align	Specifies the horizontal alignment of text
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"
text-combine-upright	Specifies the combination of multiple characters into the space of a single character
text-decoration	Specifies the decoration added to text
text-decoration-color	Specifies the color of the text-decoration
text-decoration-line	Specifies the type of line in a text-decoration
text-decoration-style	Specifies the style of the line in a text decoration
text-indent	Specifies the indentation of the first line in a text-block
text-justify	Specifies the justification method used when text-align is "justify"
text-orientation	Defines the orientation of the text in a line
text-overflow	Specifies what should happen when text overflows the containing element
text-shadow	Adds shadow to text
text-transform	Controls the capitalization of text
text-underline-position	Specifies the position of the underline which is set using the text-decoration property
top	Specifies the top position of a positioned element

transform	Applies a 2D or 3D transformation to an element
transform-origin	Allows you to change the position on transformed elements
transform-style	Specifies how nested elements are rendered in 3D space
transition	A shorthand property for all the *transition-** properties
transition-delay	Specifies when the transition effect will start
transition-duration	Specifies how many seconds or milliseconds a transition effect takes to complete
transition-property	Specifies the name of the CSS property the transition effect is for
transition-timing-function	Specifies the speed curve of the transition effect

U

unicode-bidi	Used together with the direction property to set or return whether the text should be overridden to support multiple languages in the same document
user-select	Specifies whether the text of an element can be selected

V

vertical-align	Sets the vertical alignment of an element
visibility	Specifies whether or not an element is visible

W

white-space	Specifies how white-space inside an element is handled
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
width	Sets the width of an element

word-break	Specifies how words should break when reaching the end of a line
word-spacing	Increases or decreases the space between words in a text
word-wrap	Allows long, unbreakable words to be broken and wrap to the next line
writing-mode	Specifies whether lines of text are laid out horizontally or vertically

Z

z-index	Sets the stack order of a positioned element

CSS Selectors

Selector	Example	Example description
.class	.intro	Selects all elements with class="intro"
.class1.class2	.name1.name2	Selects all elements with both name1 and name2 set within its class attribute
.class1 .class2	.name1 .name2	Selects all elements with name2 that is a descendant of an element with name1
#id	#firstname	Selects the element with id="firstname"
*	*	Selects all elements
element	p	Selects all <p> elements
element.class	p.intro	Selects all <p> elements with class="intro"
element,element	div, p	Selects all <div> elements and all <p> elements
element element	div p	Selects all <p> elements inside <div> elements
element>element	div > p	Selects all <p> elements where the parent is a <div> element
element+element	div + p	Selects all <p> elements that are placed immediately after <div> elements
element1~element2	p ~ ul	Selects every element that are preceded by a <p> element
[attribute]	[target]	Selects all elements with a target attribute
[attribute=value]	[target=_blank]	Selects all elements with target="_blank"
[attribute~=value]	[title~=flower]	Selects all elements with a title attribute containing the word "flower"

[_attribute|=value_]	[lang|=en]	Selects all elements with a lang attribute value starting with "en"
[_attribute^=value_]	a[href^="https"]	Selects every <a> element whose href attribute value begins with "https"
[_attribute$=value_]	a[href$=".pdf"]	Selects every <a> element whose href attribute value ends with ".pdf"
[_attribute*=value_]	a[href*="w3schools"]	Selects every <a> element whose href attribute value contains the substring "w3schools"
:active	a:active	Selects the active link
::after	p::after	Insert something after the content of each <p> element
::before	p::before	Insert something before the content of each <p> element
:checked	input:checked	Selects every checked <input> element
:default	input:default	Selects the default <input> element
:disabled	input:disabled	Selects every disabled <input> element
:empty	p:empty	Selects every <p> element that has no children (including text nodes)
:enabled	input:enabled	Selects every enabled <input> element
:first-child	p:first-child	Selects every <p> element that is the first child of its parent
::first-letter	p::first-letter	Selects the first letter of every <p> element
::first-line	p::first-line	Selects the first line of every <p> element
:first-of-type	p:first-of-type	Selects every <p> element that is the first <p> element of its parent
:focus	input:focus	Selects the input element which has focus

:fullscreen	:fullscreen	Selects the element that is in full-screen mode
:hover	a:hover	Selects links on mouse over
:in-range	input:in-range	Selects input elements with a value within a specified range
:indeterminate	input:indeterminate	Selects input elements that are in an indeterminate state
:invalid	input:invalid	Selects all input elements with an invalid value
:lang(*language*)	p:lang(it)	Selects every <p> element with a lang attribute equal to "it" (Italian)
:last-child	p:last-child	Selects every <p> element that is the last child of its parent
:last-of-type	p:last-of-type	Selects every <p> element that is the last <p> element of its parent
:link	a:link	Selects all unvisited links
:not(*selector*)	:not(p)	Selects every element that is not a <p> element
:nth-child(*n*)	p:nth-child(2)	Selects every <p> element that is the second child of its parent
:nth-last-child(*n*)	p:nth-last-child(2)	Selects every <p> element that is the second child of its parent, counting from the last child
:nth-last-of-type(*n*)	p:nth-last-of-type(2)	Selects every <p> element that is the second <p> element of its parent, counting from the last child
:nth-of-type(*n*)	p:nth-of-type(2)	Selects every <p> element that is the second <p> element of its parent
:only-of-type	p:only-of-type	Selects every <p> element that is the only <p> element of its parent
:only-child	p:only-child	Selects every <p> element that is the only child of its parent
:optional	input:optional	Selects input elements with no "required" attribute

:out-of-range	input:out-of-range	Selects input elements with a value outside a specified range
::placeholder	input::placeholder	Selects input elements with the "placeholder" attribute specified
:read-only	input:read-only	Selects input elements with the "readonly" attribute specified
:read-write	input:read-write	Selects input elements with the "readonly" attribute NOT specified
:required	input:required	Selects input elements with the "required" attribute specified
:root	:root	Selects the document's root element
::selection	::selection	Selects the portion of an element that is selected by a user
:target	#news:target	Selects the current active #news element (clicked on a URL containing that anchor name)
:valid	input:valid	Selects all input elements with a valid value
:visited	a:visited	Selects all visited links