

Basic Property Reference

Note that in addition to the options shown in the “Value Syntax” column of this appendix, all properties listed also accept the following global values: `inherit`, `initial`, and `unset`. They may in the future accept `revert` as well. These global values are not shown in the table for brevity and clarity.

Where a “P” is indicated for whether an element is animatable (the “Anim.” column), that means some but not all aspects of the property’s value can be animated.

Property	Default value	Value syntax	Inh.	Anim.
<code>align-content</code>	<code>stretch</code>	<code>flex-start flex-end center space-between space-around stretch</code>	N	N
<code>align-items</code>	<code>stretch</code>	<code>flex-start flex-end center baseline stretch</code>	N	N
<code>animation-delay</code>	<code>0s</code>	<code><time>#</code>	N	N
<code>animation-direction</code>	<code>normal</code>	<code>[normal reverse alternate alternate-reverse]#</code>	N	N
<code>animation-duration</code>	<code>0s</code>	<code><time>#</code>	N	N
<code>animation-fill-mode</code>	<code>none</code>	<code>[none forwards backwards both]#</code>	N	N
<code>animation-iteration-count</code>	<code>1</code>	<code><number> infinite]#</code>	N	N
<code>animation-name</code>	<code>none</code>	<code>[<single-animation-name> none]#</code>	N	N
<code>animation-play-state</code>	<code>running</code>	<code>[running paused]#</code>	N	N

Property	Default value	Value syntax	Inh.	Anim.
animation-timing-function	ease	[ease linear ease-in ease-out ease-in-out step-start step-end steps(<integer>, start) steps(<integer>, end) cubic-bezier(<number>, <number>, <number>, <number>)]#	N	N
animation	0s ease 0s 1 normal none running none	[<animation-name> <animation-duration> <animation-timing-function> <animation-delay> <animation-iteration-count> <animation-direction> <animation-fill-mode> <animation-play-state>]#	N	N
backface-visibility	visible	visible hidden	N	N
background-attachment	scroll	[scroll fixed local]#	N	N
background-blend-mode	normal	[normal multiply screen overlay darken lighten color-dodge color-burn hard-light soft-light difference exclusion hue saturation color luminosity]#	N	N
background-clip	border-box	[border-box padding-box content-box text]#	N	N
background-color	transparent	<color>	N	Y
background-image	none	[<image># none	N	N
background-origin	padding-box	[border-box padding-box content-box]#	N	N
background-position	0% 0%	[[left center right top bottom <percentage> <length>] [left center right <percentage> <length>] [top center bottom <percentage> <length>] [center [left right] <percentage> <length>]?]&&[center [top bottom] <percentage> <length>]?]]#	N	Y
background-repeat	repeat	[repeat-x repeat-y [repeat space round no-repeat]{1,2}]#	N	N
background-size	auto	[<length> <percentage> auto]{1,2} cover contain]#	N	Y
background	See individual properties	[<bg-image> <position> [/ <bg-size>]? <repeat-style> <attachment> <box> <box> ,]* <bg-image> <position> [/ <bg-size>]? <repeat-style> <attachment> <box> <box> <background-color>	N	P
border-bottom-color	current Color	<color>	N	Y
border-bottom-style	none	none hidden dotted dashed solid double groove ridge inset outset	N	N

Property	Default value	Value syntax	Inh.	Anim.
border-bottom-width	medium	thin medium thick <i><length></i>	N	Y
border-bottom	See individual properties	[<i><border-width></i> <i><border-style></i> <i><border-color></i>]	N	P
border-color	current Color	<i><color></i> {1,4}	N	Y
border-image-outset	0	[<i><length></i> <i><number></i>]{1,4}	N	Y
border-image-repeat	stretch	[stretch repeat round space]{1,2}	N	N
border-image-slice	100%	[<i><number></i> <i><percentage></i>]{1,4} && fill?	N	Y
border-image-source	none	none <i><image></i>	N	N
border-image-width	1	[<i><length></i> <i><percentage></i> <i><number></i> auto]{1,4}	N	Y
border-image	See individual properties	<i><border-image-source></i> <i><border-image-slice></i> [/ <i><border-image-width></i> / <i><border-image-width></i> ? / <i><border-image-outset></i>]? <i><border-image-repeat></i>	N	N
border-left-color	current Color	<i><color></i>	N	Y
border-left-style	none	none hidden dotted dashed solid double groove ridge inset outset	N	N
border-left-width	medium	thin medium thick <i><length></i>	N	Y
border-left	See individual properties	[<i><border-width></i> <i><border-style></i> <i><border-color></i>]	N	P
border-radius	0	[<i><length></i> <i><percentage></i>]{1,4} [/ [<i><length></i> <i><percentage></i>] {1,4}]?	N	Y
border-bottom-left-radius	0	[<i><length></i> <i><percentage></i>]{1,2}	N	Y
border-bottom-right-radius	0	[<i><length></i> <i><percentage></i>]{1,2}	N	Y
border-top-left-radius	0	[<i><length></i> <i><percentage></i>]{1,2}	N	Y
border-top-right-radius	0	[<i><length></i> <i><percentage></i>]{1,2}	N	Y
border-right-color	current Color	<i><color></i>	N	Y
border-right-style	none	none hidden dotted dashed solid double groove ridge inset outset	N	N

Property	Default value	Value syntax	Inh.	Anim.
border-right-width	medium	thin medium thick <i><length></i>	N	Y
border-right	See individual properties	[<i><border-width></i> <i><border-style></i> <i><border-color></i>]	N	P
border-spacing	0	<i><length></i> <i><length>?</i>	Y	Y
border-style	Not defined	[none hidden solid dotted dashed double groove ridge inset outset]{1,4}	N	N
border-top-color	current Color	<i><color></i>	N	Y
border-top-style	none	none hidden dotted dashed solid double groove ridge inset outset	N	N
border-top-width	medium	thin medium thick <i><length></i>	N	Y
border-top	See individual properties	[<i><border-width></i> <i><border-style></i> <i><border-color></i>]	N	P
border-width	Not defined	[thin medium thick <i><length></i>]{1,4}	N	Y
border	See individual properties	[<i><border-width></i> <i><border-style></i> <i><border-color></i>]	N	P
bottom	auto	<i><length></i> <i><percentage></i> auto	N	Y
box-decoration-break	slice	slice clone	N	N
box-shadow	none	none inset? && <i><length></i> {2,4} && <i><color>?</i>	N	Y
box-sizing	content-box	content-box padding-box border-box	N	N
caption-side	top	top bottom	Y	N
clear	none	left right both none	N	N
clip-path	none	none <i><url></i> [[inset() circle() ellipse() polygon()] [border-box padding-box content-box margin-box fill-box stroke-box view-box]]	N	P
clip-rule	nonzero	nonzero evenodd	N	N
color	User agent specific	<i><color></i>	Y	Y
direction	ltr	ltr rtl	Y	Y
display	inline	[<i><display-outside></i> <i><display-inside></i>] <i><display-listitem></i> <i><display-internal></i> <i><display-box></i> <i><display-legacy></i>	N	N
empty-cells	show	show hide	Y	N
filter	none	[none blur() brightness() contrast() drop-shadow() grayscale() hue-rotate() invert() opacity() sepia() saturate() url()]#	N	Y
flex-basis	auto	content [<i><length></i> <i><percentage></i>]	N	P

Property	Default value	Value syntax	Inh.	Anim.
flex-direction	row	row row-reverse column column-reverse	N	N
flex-flow	row nowrap	<flex-direction> <flex-wrap>	N	N
flex-grow	0	<number>	N	Y
flex-shrink	1	<number>	N	Y
flex-wrap	nowrap	nowrap wrap wrap-reverse	N	N
flex	0 1 auto	<flex-grow> <flex-shrink>? <flex-basis>] none auto	N	N
float	none	left right none	N	N
font-family	User agent-specific	[<family-name> <generic-family>]#	Y	N
font-feature-settings	normal	normal <feature-tag-value>#	Y	N
font-size-adjust	none	<number> none auto	Y	Y
font-size	medium	xx-small x-small small medium large x-large xx-large smaller larger <length> <percentage>	Y	P
font-stretch	normal	normal ultra-condensed extra-condensed condensed semi-condensed semi-expanded expanded extra-expanded ultra-expanded	Y	N
font-style	normal	italic oblique normal	Y	N
font-synthesis	weight style	none weight style	Y	N
font-variant	normal	normal none [<common-lig-values> <discretionary-lig-values> <historical-lig-values> <contextual-alt-values> stylistic(<feature-value-name>) historical-forms styleset(<feature-value-name>#) character-variant(<feature-value-name>#) swash(<feature-value-name>) ornaments(<feature-value-name>) annotation(<feature-value-name>) [small-caps all-small-caps petite-caps all-petite-caps uncase titling-caps] <numeric-figure-values> <numeric-spacing-values> <numeric-fraction-values> ordinal slashed-zero <east-asian-variant-values> <east-asian-width-values> ruby]	Y	N
font-weight	normal	normal bold bolder lighter 100 200 300 400 500 600 700 800 900	Y	N
font	See individual properties	[[<font-style> [normal small-caps] <font-weight>]? <font-size> [/ <line-height>]? <font-family>] caption icon menu message-box small-caption status-bar	Y	P
grid-area	See individual properties	<grid-line> [/ <grid-line>]{0,3}	N	N

Property	Default value	Value syntax	Inh.	Anim.
grid-auto-columns	auto	<code><track-breadth> minmax(<track-breadth> , <track-breadth>)</code>	N	N
grid-auto-flow	row	<code>[row column] dense</code>	N	N
grid-auto-rows	auto	<code><track-breadth> minmax(<track-breadth> , <track-breadth>)</code>	N	N
grid-column-end	auto	<code>auto <custom-ident> [<integer> && <custom-ident>?] [span && [<integer> <custom-ident>]]</code>	N	N
grid-column-gap	0	<code><length> <percentage></code>	N	Y
grid-column-start	auto	<code>auto <custom-ident> [<integer> && <custom-ident>?] [span && [<integer> <custom-ident>]]</code>	N	N
grid-column	auto	<code><grid-line> [/ <grid-line>]?</code>	N	N
grid-gap	0 0	<code><grid-row-gap> <grid-column-gap></code>	N	Y
grid-row-end	auto	<code>auto <custom-ident> [<integer> && <custom-ident>?] [span && [<integer> <custom-ident>]]</code>	N	N
grid-row-gap	0	<code><length> _ <percentage></code>	N	Y
grid-row-start	auto	<code>auto <custom-ident> [<integer> && <custom-ident>?] [span && [<integer> <custom-ident>]]</code>	N	N
grid-row	auto	<code><grid-line> [/ <grid-line>]?</code>	N	N
grid-template-areas	none	<code>none <string></code>	N	N
grid-template-columns	none	<code>none <track-list> <auto-track-list></code>	N	N
grid-template-rows	none	<code>none <track-list> <auto-track-list></code>	N	N
grid	See individual properties	<code>none subgrid [<grid-template-rows> / <grid-template-columns>] [<line-names>? <string> <track-size>? <line-names>?]+ [/ <track-list>]? [<grid-auto-flow> [<grid-auto-rows> [/ <grid-auto-columns>]?]?]]</code>	N	N
height	auto	<code><length> <percentage> auto</code>	N	Y
hyphens	manual	<code>manual auto none</code>	Y	N
isolation	auto	<code>auto isolate</code>	N	N
justify-content	flex-start	<code>flex-start flex-end center space-between space-around</code>	N	N
left	auto	<code><length> <percentage> auto</code>	N	Y
letter-spacing	normal	<code><length> normal</code>	Y	Y
line-break	auto	<code>auto loose normal strict</code>	Y	Y
line-height	normal	<code><number> <length> <percentage> normal</code>	Y	Y
margin-bottom	0	<code><length> <percentage> auto</code>	N	Y
margin-left	0	<code><length> <percentage> auto</code>	N	Y

Property	Default value	Value syntax	Inh.	Anim.
margin-right	0	<length> <percentage> auto	N	Y
margin-top	0	<length> <percentage> auto	N	Y
margin	Not defined	[<length> <percentage> auto]{1,4}	N	Y
mask-clip	border-box	[content-box padding-box border-box margin-box fill-box stroke-box view-box no-clip]#	N	N
mask-composite	add	[add subtract intersect exclude]#	N	N
mask-image	none	[none <image> <mask-source>]#	N	N
mask-mode	match-source	[alpha luminance match-source]#	N	N
mask-origin	mask-origin	[content-box padding-box border-box margin-box fill-box stroke-box view-box]#	N	N
mask-position	0% 0%	<position># ^a	N	P
mask-repeat	repeat	[repeat-x repeat-y [repeat space round no-repeat]{1,2}]#	N	Y
mask-size	auto	[[<length> <percentage> auto]{1,2} cover contain]#	N	P
mask-type	luminance	luminance alpha	N	N
mask	See individual properties	[<mask-image> <mask-position> [/ <mask-size>]? <mask-repeat> <mask-clip> <mask-origin> <mask-composite> <mask-mode>]#	N	P
max-height	none	<length> <percentage> none	N	Y
max-width	none	<length> <percentage> none	N	Y
min-height	0	<length> <percentage>	N	Y
min-width	0	<length> <percentage>	N	Y
mix-blend-mode	normal	normal multiply screen overlay darken lighten color-dodge color-burn hard-light soft-light difference exclusion hue saturation color luminosity	N	N
object-fit	fill	fill contain cover scale-down none	N	N
object-position	50% 50%	<position> ^b	N	N
order	0	<integer>	N	Y
orphans	2	<integer>	N	N
outline-color	invert	<color> invert	N	Y
outline-style	none	auto none solid dotted dashed double groove ridge inset outset	N	N
outline-width	medium	<length> thin medium thick	N	Y
outline	none	[<outline-color> <outline-style> <outline-width>]	N	P
overflow-wrap ^c	normal	normal break-word	Y	Y

Property	Default value	Value syntax	Inh.	Anim.
overflow	visible	visible hidden scroll auto	N	N
padding-bottom	0	<length> <percentage>	N	Y
padding-left	0	<length> <percentage>	N	Y
padding-right	0	<length> <percentage>	N	Y
padding-top	0	<length> <percentage>	N	Y
padding	Not defined	[<length> <percentage>]{1,4}	N	Y
page-break-after	auto	auto always	N	N
page-break-before	auto	auto always	N	N
page-break-inside	auto	auto avoid	N	N
page	auto	<identifier> inherit	N	N
perspective-origin	50% 50%	<position> ^d	N	Y
perspective	none	none <length>	N	Y
position	static	static relative sticky absolute fixed	N	N
right	auto	<length> <percentage> auto	N	Y
shape-image-threshold	0.0	<number>	N	Y
shape-margin	0	<length> <percentage>	N	Y
shape-outside	none	none [<basic-shape> <shape-box>]	N	P
size	auto	auto <length>{1,2} [<page-size> [portrait landscape]]	N	N
tab-size	8	<length> <integer>	Y	Y
table-layout	auto	auto fixed	Y	N
text-align-last	auto	auto start end left right center justify	Y	N
text-align	start	start end left right center justify match-parent start end	Y	N
text-decoration	none	none [underline overline line-through blink]	N	N
text-indent	0	<length> <percentage>	Y	Y
text-orientation	mixed	mixed upright sideways	Y	Y
text-rendering	auto	auto optimizeSpeed optimizeLegibility geometricPrecision	Y	Y
text-shadow	none	none [<length> [<length> <length> <length>?]]#	N	Y
text-transform	none	uppercase lowercase capitalize none	Y	N

Property	Default value	Value syntax	Inh.	Anim.
top	auto	<length> <percentage> auto	N	Y
transform-origin	50% 50%	<position> ^e	N	Y
transform-style	flat	flat preserve-3d	N	N
transform	none	<transform-list> none	N	Y
transition-delay	0s	<time>#	N	N
transition-duration	0s	<time>#	N	N
transition-property	all	none [all <property-name>]#	N	N
transition-timing-function	ease	<timing-function># ^f	N	N
transition	all 0s ease 0s	[[none <transition-property>] <time> <transition-timing-function>]#	N	N
unicode-bidi	normal	normal embed bidi-override	N	Y
vertical-align	baseline	baseline sub super top text-top middle bottom text-bottom <length> <percentage>	N	P
visibility	visible	visible hidden collapse	Y	N
white-space	normal	normal nowrap pre pre-wrap pre-line	N	N
widows	2	<integer>	N	N
width	auto	<length> <percentage> auto	N	Y
word-break	normal	normal break-all keep-all	Y	Y
word-spacing	normal	<length> normal	Y	Y
writing-mode	horizontal-tb	horizontal-tb vertical-rl vertical-lr	Y	Y
z-index	auto	<integer> auto	N	Y

^a See background-position for a detailed expansion of the <position> syntax.

^b See background-position for a detailed expansion of the <position> syntax.

^c This property used to be called word-wrap.

^d See background-position for a detailed expansion of the <position> syntax.

^e See background-position for a detailed expansion of the <position> syntax.

^f See animation-timing-function for a detailed expansion of the <timing-function> syntax.

