







THE WORLD'S LARGEST WEB DEVELOPER SITE

CSS Browser Support Reference

Next >

CSS Reference With Browser Support

The table below lists all CSS properties and how each property is supported in the different browsers:

The number to the right of the browser icon indicates in which browser version the property was first supported.

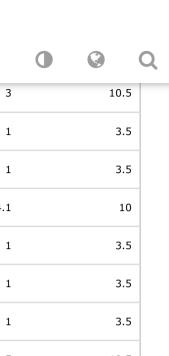
| Property | Edge | Firefox | Chrome | Safari | Opera |
|---------------|------|---------|--------|--------|-------|
| A | | | | | |
| align-content | 11 | 28 | 21 | 9 | 12.1 |







| align-self | 11 | 20 | 21 | 9 | 12.1 |
|------------------------------|----|----|----|-----|------|
| all | | 27 | 37 | | 24 |
| animation | 10 | 16 | 43 | 9 | 30 |
| animation-delay | 10 | 16 | 43 | 9 | 30 |
| animation-direction | 10 | 16 | 43 | 9 | 30 |
| animation-duration | 10 | 16 | 43 | 9 | 30 |
| animation-fill-mode | 10 | 16 | 43 | 9 | 30 |
| animation-iteration-count | 10 | 16 | 43 | 9 | 30 |
| animation-name | 10 | 16 | 43 | 9 | 30 |
| animation-play-state | 10 | 16 | 43 | 9 | 30 |
| animation-timing-function | 10 | 16 | 43 | 9 | 30 |
| В | | | | | |
| <u>backface-visibility</u> | 10 | 16 | 36 | 4 | 23 |
| background | 4 | 1 | 1 | 1 | 3.5 |
| <u>background-attachment</u> | 4 | 1 | 1 | 1 | 3.5 |
| <u>background-blend-mode</u> | | 30 | 35 | 7.1 | 22 |
| <u>background-clip</u> | 9 | 4 | 4 | 3 | 10.5 |
| <u>background-color</u> | 4 | 1 | 1 | 1 | 3.5 |



| background-position 4 1 1 1 background-repeat 4 1 1 1 background-size 9 4 4 4.1 border 4 1 1 1 border-bottom 4 1 1 1 border-bottom-color 4 1 1 1 border-bottom-left-radius 9 4 5 5 border-bottom-style 5.5 1 1 1 border-bottom-width 4 1 1 1 border-collapse 5 1 1 1 border-image 11 15 16 6 border-image-outset 11 15 15 6 border-image-silice 11 15 15 6 | | | | | | | |
|---|----------------------------|-----|----|----|-----|------|--|
| background-repeat 4 1 1 1 background-size 9 4 4 4.1 border 4 1 1 1 border-bottom 4 1 1 1 border-bottom-color 4 1 1 1 border-bottom-left-radius 9 4 5 5 border-bottom-right-radius 9 4 5 5 border-bottom-style 5.5 1 1 1 border-bottom-width 4 1 1 1 border-collapse 5 1 1 1.2 border-color 4 1 1 1 border-image 11 15 16 6 border-image-outset 11 15 15 6 border-image-slice 11 15 15 6 | <u>background-origin</u> | 9 | 4 | 4 | 3 | 10.5 | |
| background-size 9 4 4 4.1 border 4 1 1 1 border-bottom 4 1 1 1 border-bottom-color 4 1 1 1 border-bottom-left-radius 9 4 5 5 border-bottom-sight-radius 9 4 5 5 border-bottom-style 5.5 1 1 1 border-collapse 5 1 1 1 1 | background-position | 4 | 1 | 1 | 1 | 3.5 | |
| border 4 1 1 1 border-bottom 4 1 1 1 border-bottom-color 4 1 1 1 border-bottom-left-radius 9 4 5 5 border-bottom-right-radius 9 4 5 5 border-bottom-style 5.5 1 1 1 border-bottom-width 4 1 1 1 border-collapse 5 1 1 1 border-color 4 1 1 1 border-image 11 15 16 6 border-image-outset 11 15 15 6 border-image-repeat 11 15 15 6 | background-repeat | 4 | 1 | 1 | 1 | 3.5 | |
| border-bottom 4 1 1 1 border-bottom-color 4 1 1 1 border-bottom-left-radius 9 4 5 5 border-bottom-right-radius 9 4 5 5 border-bottom-style 5.5 1 1 1 border-bottom-width 4 1 1 1 border-collapse 5 1 1 1.2 border-color 4 1 1 1 border-image 11 15 16 6 border-image-outset 11 15 15 6 border-image-repeat 11 15 15 6 border-image-slice 11 15 15 6 | background-size | 9 | 4 | 4 | 4.1 | 10 | |
| border-bottom-color 4 1 1 1 border-bottom-left-radius 9 4 5 5 border-bottom-right-radius 9 4 5 5 border-bottom-style 5.5 1 1 1 border-bottom-width 4 1 1 1 border-collapse 5 1 1 1.2 border-color 4 1 1 1 border-image 11 15 16 6 border-image-outset 11 15 15 6 border-image-repeat 11 15 15 6 border-image-slice 11 15 15 6 | <u>border</u> | 4 | 1 | 1 | 1 | 3.5 | |
| border-bottom-left-radius 9 4 5 5 border-bottom-right-radius 9 4 5 5 border-bottom-style 5.5 1 1 1 border-bottom-width 4 1 1 1 border-collapse 5 1 1 1.2 border-color 4 1 1 1 border-image 11 15 16 6 border-image-outset 11 15 15 6 border-image-repeat 11 15 15 6 border-image-slice 11 15 15 6 | border-bottom | 4 | 1 | 1 | 1 | 3.5 | |
| border-bottom-right-radius 9 4 5 5 border-bottom-style 5.5 1 1 1 border-bottom-width 4 1 1 1 border-collapse 5 1 1 1.2 border-color 4 1 1 1 border-image 11 15 16 6 border-image-outset 11 15 15 6 border-image-repeat 11 15 15 6 border-image-slice 11 15 15 6 | border-bottom-color | 4 | 1 | 1 | 1 | 3.5 | |
| border-bottom-style 5.5 1 1 1 border-bottom-width 4 1 1 1 border-collapse 5 1 1 1.2 border-color 4 1 1 1 border-image 11 15 16 6 border-image-outset 11 15 15 6 border-image-repeat 11 15 15 6 border-image-slice 11 15 15 6 | border-bottom-left-radius | 9 | 4 | 5 | 5 | 10.5 | |
| border-bottom-width 4 1 1 1 border-collapse 5 1 1 1.2 border-color 4 1 1 1 border-image 11 15 16 6 border-image-outset 11 15 15 6 border-image-repeat 11 15 15 6 border-image-slice 11 15 15 6 | border-bottom-right-radius | 9 | 4 | 5 | 5 | 10.5 | |
| border-collapse 5 1 1 1.2 border-color 4 1 1 1 border-image 11 15 16 6 border-image-outset 11 15 15 6 border-image-repeat 11 15 15 6 border-image-slice 11 15 15 6 | border-bottom-style | 5.5 | 1 | 1 | 1 | 9.2 | |
| border-color 4 1 1 1 border-image 11 15 16 6 border-image-outset 11 15 15 6 border-image-repeat 11 15 15 6 border-image-slice 11 15 15 6 | border-bottom-width | 4 | 1 | 1 | 1 | 3.5 | |
| border-image 11 15 16 6 border-image-outset 11 15 15 6 border-image-repeat 11 15 15 6 border-image-slice 11 15 15 6 | border-collapse | 5 | 1 | 1 | 1.2 | 4 | |
| border-image-outset 11 15 15 6 border-image-repeat 11 15 15 6 border-image-slice 11 15 15 6 | border-color | 4 | 1 | 1 | 1 | 3.5 | |
| border-image-repeat1115156border-image-slice1115156 | <u>border-image</u> | 11 | 15 | 16 | 6 | 15 | |
| border-image-slice 11 15 15 6 | <u>border-image-outset</u> | 11 | 15 | 15 | 6 | 15 | |
| | border-image-repeat | 11 | 15 | 15 | 6 | 15 | |
| harder image course | border-image-slice | 11 | 15 | 15 | 6 | 15 | |
| border-image-source | border-image-source | 11 | 15 | 15 | 6 | 15 | |







| border-left 4 1 1 1 3.5 border-left-color 4 1 1 1 3.5 border-left-style 5.5 1 1 1 9.2 border-left-width 4 1 1 1 3.5 border-radius 9 4 5 5 10.5 border-right-color 4 1 1 1 3.5 border-right-style 5.5 1 1 1 9.2 border-style 4 1 1 1 3.5 border-style 4 1 1 1 3.5 border-top-color 4 1 1 1 3.5 border-top-color 4 1 1 1 3.5 border-top-color 4 1 1 1 3.5 border-top-ight-radius 9 4 5 5 10.5 border-top-style 5 5 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th></t<> | | | | | | |
|--|--------------------------------|-----|---|---|---|------|
| border-left-style 5.5 1 1 1 9.2 border-left-width 4 1 1 1 3.5 border-radius 9 4 5 5 10.5 border-right 4 1 1 1 3.5 border-right-color 4 1 1 1 9.2 border-right-width 4 1 1 1 9.2 border-spacing 8 1 1 1 3.5 border-spacing 8 1 1 1 4 border-style 4 1 1 1 3.5 border-top 4 1 1 1 3.5 border-top-color 4 1 1 1 3.5 border-top-ieft-radius 9 4 5 5 10.5 border-top-style 5.5 1 1 1 9.2 border-top-width 4 1 1 | <u>border-left</u> | 4 | 1 | 1 | 1 | 3.5 |
| border-left-width 4 1 1 1 3.5 border-radius 9 4 5 5 10.3 border-right 4 1 1 1 3.5 border-right-color 4 1 1 1 9.2 border-right-style 5.5 1 1 1 9.2 border-spacing 8 1 1 1 4 border-style 4 1 1 1 3.5 border-top 4 1 1 1 3.5 border-top-color 4 1 1 1 3.5 border-top-left-radius 9 4 5 5 10.5 border-top-right-radius 9 4 5 5 10.5 border-top-width 4 1 1 1 9.2 border-top-width 4 1 1 1 9.2 | border-left-color | 4 | 1 | 1 | 1 | 3.5 |
| border-radius 9 4 5 5 10.5 border-right 4 1 1 1 3.5 border-right-color 4 1 1 1 1 3.5 border-right-style 5.5 1 1 1 1 9.2 border-right-width 4 1 1 1 1 3.5 border-spacing 8 1 1 1 4 border-style 4 1 1 1 3.5 border-top 4 1 1 1 3.5 border-top-color 4 1 1 1 3.5 border-top-left-radius 9 4 5 5 10.5 border-top-right-radius 9 4 5 5 10.5 border-top-style 5.5 1 1 1 9.2 border-top-width 4 1 1 1 3.5 | border-left-style | 5.5 | 1 | 1 | 1 | 9.2 |
| border-right 4 1 1 1 3.5 border-right-color 4 1 1 1 3.5 border-right-style 5.5 1 1 1 9.2 border-right-width 4 1 1 1 3.5 border-spacing 8 1 1 1 4 border-style 4 1 1 1 3.5 border-top-color 4 1 1 1 3.5 border-top-left-radius 9 4 5 5 10.5 border-top-right-radius 9 4 5 5 10.5 border-top-style 5.5 1 1 1 9.2 border-top-width 4 1 1 1 3.5 | border-left-width | 4 | 1 | 1 | 1 | 3.5 |
| border-right-color 4 1 1 1 3.5 border-right-style 5.5 1 1 1 9.2 border-right-width 4 1 1 1 3.5 border-spacing 8 1 1 1 4 border-style 4 1 1 1 3.5 border-top 4 1 1 1 3.5 border-top-color 4 1 1 1 3.5 border-top-left-radius 9 4 5 5 10.5 border-top-right-radius 9 4 5 5 10.5 border-top-style 5.5 1 1 1 9.2 border-top-width 4 1 1 1 3.5 | border-radius | 9 | 4 | 5 | 5 | 10.5 |
| border-right-style 5.5 1 1 1 9.2 border-right-width 4 1 1 1 3.5 border-spacing 8 1 1 1 4 border-style 4 1 1 1 3.5 border-top 4 1 1 1 3.5 border-top-color 4 1 1 1 3.5 border-top-left-radius 9 4 5 5 10.5 border-top-right-radius 9 4 5 5 10.5 border-top-style 5.5 1 1 1 9.2 border-top-width 4 1 1 1 3.5 | border-right | 4 | 1 | 1 | 1 | 3.5 |
| border-right-width 4 1 1 1 3.5 border-spacing 8 1 1 1 4 border-style 4 1 1 1 3.5 border-top 4 1 1 1 3.5 border-top-color 4 1 1 1 3.5 border-top-left-radius 9 4 5 5 10.5 border-top-right-radius 9 4 5 5 10.5 border-top-style 5.5 1 1 1 9.2 border-top-width 4 1 1 1 3.5 | border-right-color | 4 | 1 | 1 | 1 | 3.5 |
| border-spacing 8 1 1 1 4 border-style 4 1 1 1 3.5 border-top 4 1 1 1 3.5 border-top-color 4 1 1 1 3.5 border-top-left-radius 9 4 5 5 10.5 border-top-right-radius 9 4 5 5 10.5 border-top-style 5.5 1 1 1 9.2 border-top-width 4 1 1 1 3.5 | border-right-style | 5.5 | 1 | 1 | 1 | 9.2 |
| border-style 4 1 1 1 3.5 border-top 4 1 1 1 3.5 border-top-color 4 1 1 1 3.5 border-top-left-radius 9 4 5 5 10.5 border-top-right-radius 9 4 5 5 10.5 border-top-style 5.5 1 1 1 9.2 border-top-width 4 1 1 1 3.5 | border-right-width | 4 | 1 | 1 | 1 | 3.5 |
| border-top 4 1 1 1 3.5 border-top-color 4 1 1 1 3.5 border-top-left-radius 9 4 5 5 10.5 border-top-right-radius 9 4 5 5 10.5 border-top-style 5.5 1 1 1 9.2 border-top-width 4 1 1 1 3.5 | border-spacing | 8 | 1 | 1 | 1 | 4 |
| border-top-color 4 1 1 1 3.5 border-top-left-radius 9 4 5 5 10.5 border-top-right-radius 9 4 5 5 10.5 border-top-style 5.5 1 1 1 9.2 border-top-width 4 1 1 1 3.5 | <u>border-style</u> | 4 | 1 | 1 | 1 | 3.5 |
| border-top-left-radius 9 4 5 5 10.5 border-top-right-radius 9 4 5 5 10.5 border-top-style 5.5 1 1 1 9.2 border-top-width 4 1 1 1 3.5 | <u>border-top</u> | 4 | 1 | 1 | 1 | 3.5 |
| border-top-right-radius 9 4 5 5 10.5 border-top-style 5.5 1 1 1 9.2 border-top-width 4 1 1 1 3.5 | border-top-color | 4 | 1 | 1 | 1 | 3.5 |
| border-top-style 5.5 1 1 1 9.2 border-top-width 4 1 1 1 3.5 | border-top-left-radius | 9 | 4 | 5 | 5 | 10.5 |
| border-top-width 4 1 1 1 3.5 | <u>border-top-right-radius</u> | 9 | 4 | 5 | 5 | 10.5 |
| | border-top-style | 5.5 | 1 | 1 | 1 | 9.2 |
| 4 1 1 1 3.5 | border-top-width | 4 | 1 | 1 | 1 | 3.5 |
| | | 4 | 1 | 1 | 1 | 3.5 |

box-shadow

box-sizing

break-after

break-before

break-inside

caption-side

caret-color

@charset

clear

<u>clip</u>

color

clip-path

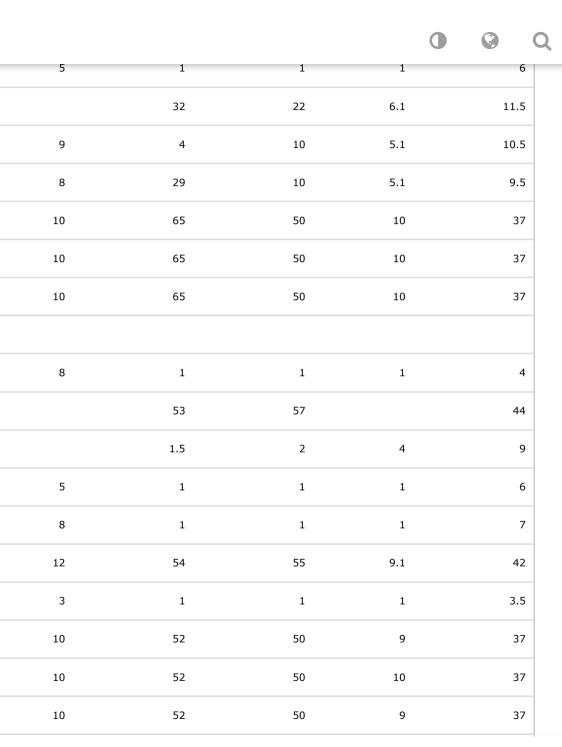
column-count

column-fill

column-gap

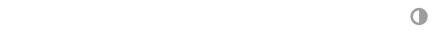
C



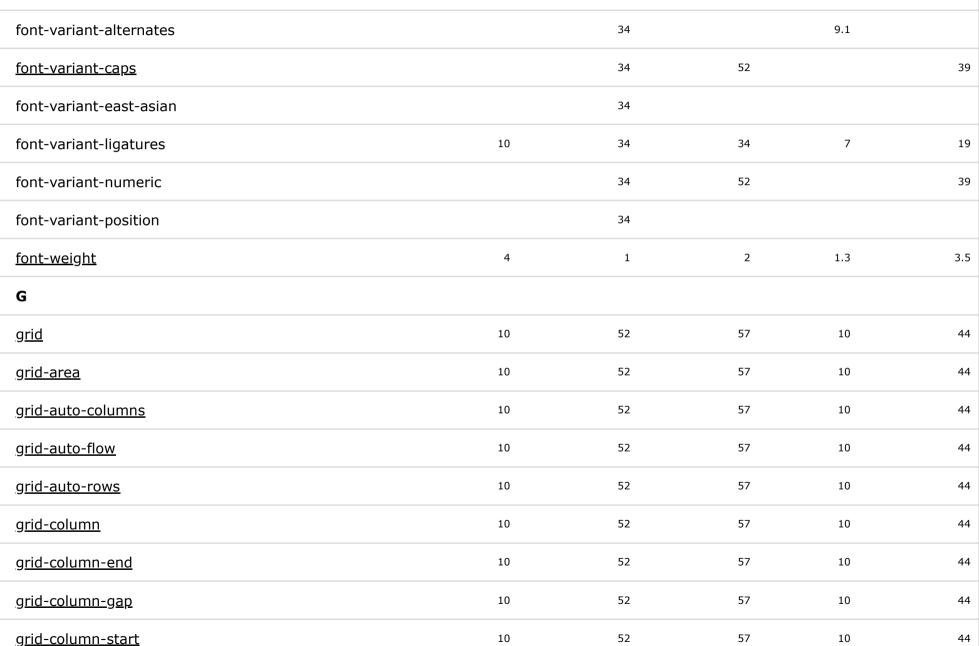


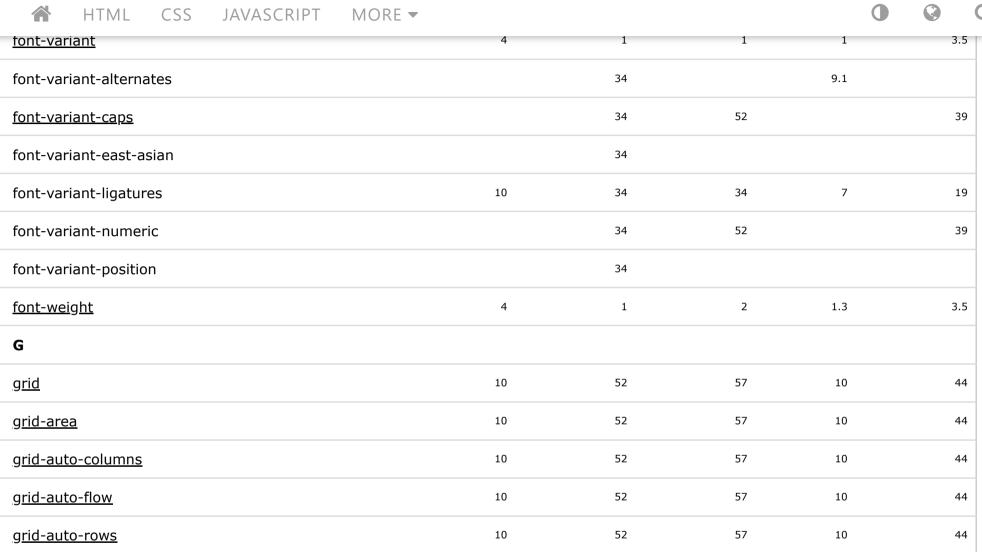


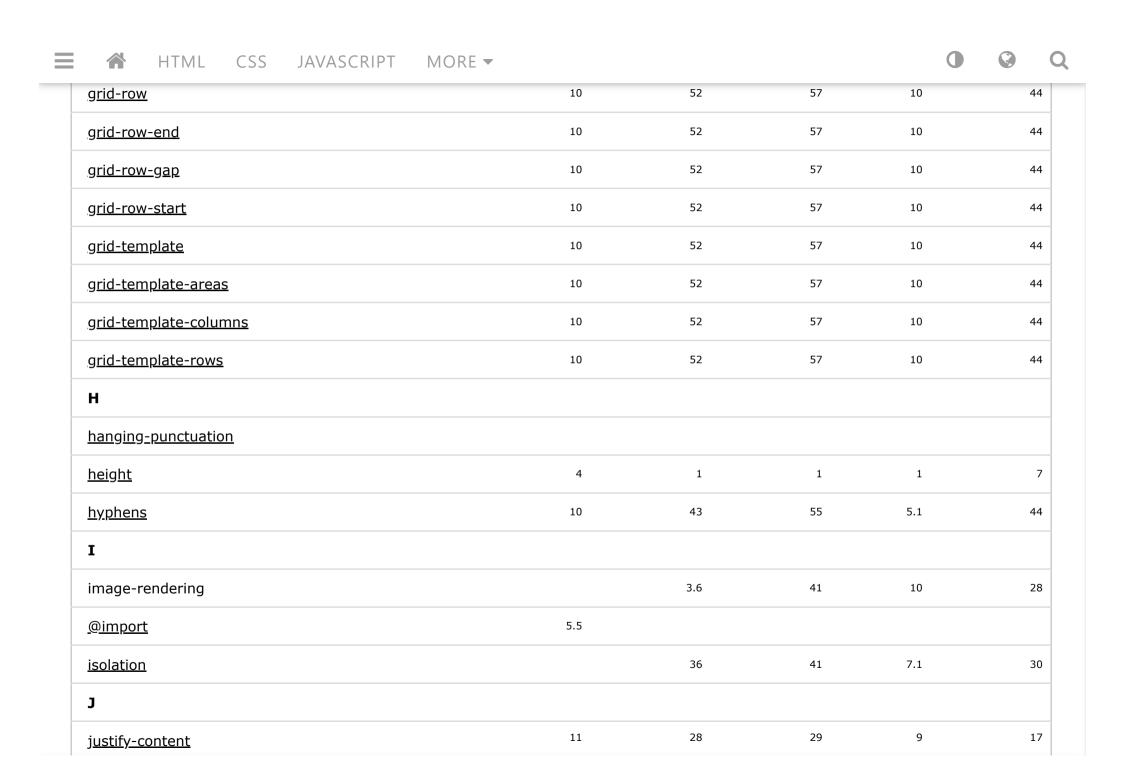
| <u>column-rule-color</u> | 10 | 52 | 50 | 9 | 37 |
|--------------------------|-----|----|----|-----|-----|
| column-rule-style | 10 | 52 | 50 | 9 | 37 |
| column-rule-width | 10 | 52 | 50 | 9 | 37 |
| <u>column-span</u> | 10 | | 50 | 9 | 37 |
| column-width | 10 | 52 | 50 | 9 | 37 |
| columns | 10 | 52 | 50 | 9 | 37 |
| content | 8 | 1 | 1 | 1 | 4 |
| counter-increment | 8 | 2 | 4 | 3.1 | 9.6 |
| <u>counter-reset</u> | 8 | 2 | 4 | 3.1 | 9.6 |
| cursor | 5.5 | 4 | 5 | 5 | 9.6 |
| D | | | | | |
| direction | 5.5 | 1 | 2 | 1.3 | 9.2 |
| <u>display</u> | 8 | 3 | 4 | 3.1 | 7 |
| E | | | | | |
| empty-cells | 8 | 1 | 1 | 1.2 | 4 |
| F | | | | | |
| filter | 13 | 35 | 53 | 9.1 | 40 |
| flex | 11 | 28 | 29 | 9 | 17 |





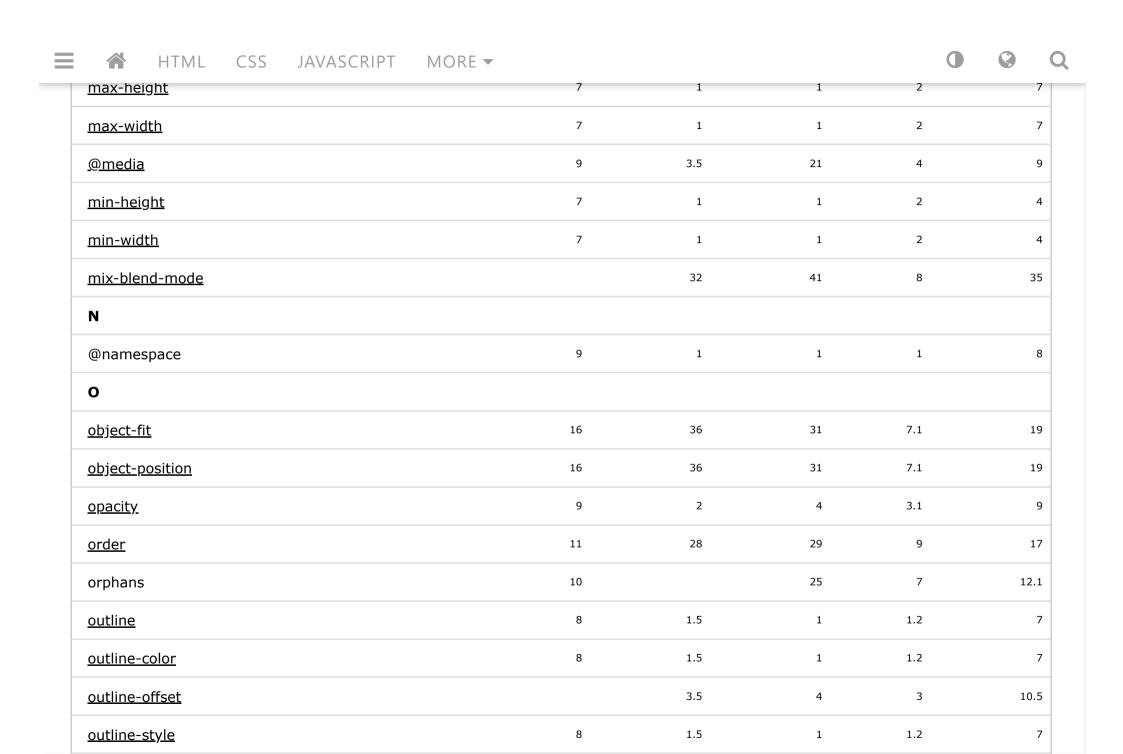








| <u>@keyframes</u> | 10 | 16 | 43 | 9 | 30 |
|----------------------------|-----|----|----|---|-----|
| L | | | | | |
| <u>left</u> | 5.5 | 1 | 1 | 1 | 5 |
| <u>letter-spacing</u> | 4 | 1 | 1 | 1 | 3.5 |
| line-break | 5.5 | | 1 | | |
| <u>line-height</u> | 4 | 1 | 1 | 1 | 7 |
| <u>list-style</u> | 4 | 1 | 1 | 1 | 7 |
| <u>list-style-image</u> | 4 | 1 | 1 | 1 | 7 |
| <u>list-style-position</u> | 4 | 1 | 1 | 1 | 3.5 |
| <u>list-style-type</u> | 4 | 1 | 1 | 1 | 3.5 |
| М | | | | | |
| <u>margin</u> | 6 | 1 | 1 | 1 | 3.5 |
| margin-bottom | 6 | 1 | 1 | 1 | 3.5 |
| margin-left | 6 | 1 | 1 | 1 | 3.5 |
| margin-right | 6 | 1 | 1 | 1 | 3.5 |
| margin-top | 6 | 1 | 1 | 1 | 3.5 |
| mask | | 53 | 4 | 4 | 15 |
| | | 53 | 4 | 4 | 15 |





| <u>overflow</u> | 4 | 1 | 1 | 1 | 7 |
|-------------------------|----|-----|----|------|------|
| overflow-wrap | 18 | 49 | 23 | 6.1 | 12.1 |
| overflow-x | 9 | 3.5 | 4 | 3 | 9.5 |
| <u>overflow-y</u> | 9 | | 4 | 3 | 9.5 |
| Р | | | | | |
| padding | 4 | 1 | 1 | 1 | 3.5 |
| padding-bottom | 4 | 1 | 1 | 1 | 3.5 |
| padding-left | 4 | 1 | 1 | 1 | 3.5 |
| padding-right | 4 | 1 | 1 | 1 | 3.5 |
| <u>padding-top</u> | 4 | 1 | 1 | 1 | 3.5 |
| @page | 8 | 19 | 15 | | 15 |
| <u>page-break-after</u> | 4 | 1 | 1 | 1.2 | 7 |
| page-break-before | 4 | 1 | 1 | 1.2 | 7 |
| page-break-inside | 8 | 19 | 1 | 1.3 | 7 |
| <u>perspective</u> | 10 | 16 | 36 | 9 | 23 |
| perspective-origin | 10 | 16 | 36 | 9 | 23 |
| place-content | | 60 | 59 | 11.1 | 51 |
| pointer-events | 11 | 3.6 | 2 | 4 | 9 |



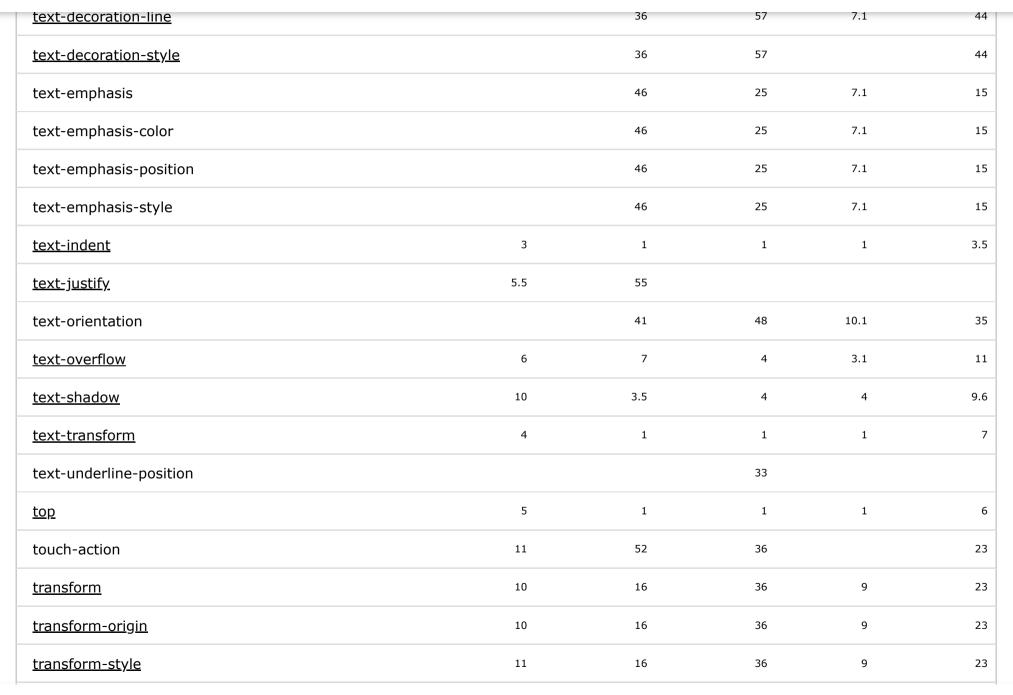




| Q | | | | | |
|------------------------|-----|-----|----|------|------|
| <u>quotes</u> | 8 | 1.5 | 11 | 5.1 | 4 |
| R | | | | | |
| resize | | 5 | 4 | 4 | 15 |
| <u>right</u> | 5.5 | 1 | 1 | 1 | 5 |
| S | | | | | |
| scroll-behavior | | 36 | 61 | | 48 |
| shape-image-threshold | | 62 | 37 | 10.1 | 24 |
| shape-margin | | 62 | 37 | 10.1 | 24 |
| @supports | | 22 | 28 | 9 | 12.1 |
| Т | | | | | |
| <u>tab-size</u> | | 4 | 21 | 6.1 | 15 |
| <u>table-layout</u> | 5 | 1 | 14 | 1 | 7 |
| <u>text-align</u> | 3 | 1 | 1 | 1 | 3.5 |
| <u>text-align-last</u> | 5.5 | 49 | 47 | | 34 |
| text-combine-upright | 11 | 48 | 48 | | 34 |
| text-decoration | 3 | 1 | 1 | 1 | 3.5 |
| | | 36 | 57 | 7.1 | 44 |

HTML

CSS JAVASCRIPT MORE ▼







| <u>transition-delay</u> | 10 | 16 | 26 | 6.1 | 12.1 |
|----------------------------|-----|-----|----|-----|------|
| transition-duration | 10 | 16 | 26 | 6.1 | 12.1 |
| transition-property | 10 | 16 | 26 | 6.1 | 12.1 |
| transition-timing-function | 10 | 16 | 26 | 6.1 | 12.1 |
| U | | | | | |
| unicode-bidi | 5.5 | 1 | 2 | 1.3 | 9.2 |
| <u>user-select</u> | 10 | 69 | 54 | 3.1 | 41 |
| V | | | | | |
| <u>vertical-align</u> | 4 | 1 | 1 | 1 | 4 |
| @viewport | 10 | | 29 | | 16 |
| <u>visibility</u> | 4 | 1 | 1 | 1 | 4 |
| w | | | | | |
| <u>white-space</u> | 8 | 3.5 | 1 | 3 | 9.5 |
| widows | 10 | | 25 | 7 | 12.1 |
| width | 4 | 1 | 1 | 1 | 3.5 |
| will-change | | 36 | 36 | 9.1 | 24 |
| word-break | 5.5 | 15 | 4 | 3.1 | 15 |
| word-spacing | 6 | 1 | 1 | 1 | 3.5 |







| 12 | 41 | 48 | 11 | 35 |
|----|----|----|----|----|
| | | | | |
| 4 | 3 | 1 | 1 | 4 |

ations

```
ported by Edge/Internet Explorer
ported by Firefox
ported by Google Chrome
ported by Safari
ported by Opera

ported by Edge/Internet Explorer with prefix -ms-
ported by Firefox with prefix -moz-
ported by Google Chrome with prefix -webkit-
ported by Opera with prefix -webkit-
ported by Opera with prefix -webkit-
```

Next >













HOW TO

Tabs Dropdowns Accordions Side Navigation Top Navigation **Modal Boxes Progress Bars** Parallax Login Form HTML Includes Google Maps Range Sliders Tooltips Slideshow Filter List Sort List

SHARE











Q

HTML

CSS

JavaScript

SQL

Python

PHP

jQuery

Bootstrap

XML

Read More »









| IAVA SULUI I VALUURS | 4445 21 1111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
|----------------------|--|--|
| Javascript Examples | JavaScript Certificate | |
| How To Examples | SQL Certificate | |
| SQL Examples | Python Certificate | |
| Python Examples | jQuery Certificate | |
| W3.CSS Examples | PHP Certificate | |
| Bootstrap Examples | Bootstrap Certificate | |
| PHP Examples | XML Certificate | |
| jQuery Examples | | |
| Java Examples | Get Certified » | |
| XML Examples | occ ocitiiled " | |
| | | |

W3Schools is optimized for learning, testing, and training. Examples might be simplified to improve reading and basic understanding. Tutorials, references, and examples are constantly reviewed to avoid errors, but we cannot warrant full correctness of all content. While using this site, you agree to have read and accepted our terms of use, cookie and privacy policy. Copyright 1999-2020 by Refsnes Data. All Rights Reserved.

Powered by W3.CSS.













REPORT ERROR PRINT PAGE **FORUM ABOUT**

Top Tutorials

HTML Tutorial CSS Tutorial JavaScript Tutorial How To Tutorial SQL Tutorial **Python Tutorial** W3.CSS Tutorial **Bootstrap Tutorial PHP Tutorial** jQuery Tutorial Java Tutorial C++ Tutorial

Top Examples

Top References

HTML Reference CSS Reference JavaScript Reference SQL Reference Python Reference W3.CSS Reference Bootstrap Reference PHP Reference HTML Colors jQuery Reference Java Reference Angular Reference

Web Certificates