

CSS Cheat Sheet - You Don't Need JavaScript

Modern CSS features for building interactive, accessible websites.

Checkout my blog for more articles: [theosoti.com](#).

SELECTORS & PSEUDO-ELEMENTS

:has()	:root / ::before / ::after
<pre>fieldset:has(input:checked) { border-color: green; } li:has(ul) > a::after { content: ">"; } .list:has(.card:hover) .card:not(:hover) { filter: blur(4px); }</pre>	<pre>:root { --accent: #4EA1FF; } /* Global variables */ .card::before { content: ""; position: absolute; } ::details-content { /* Target details content */ }</pre>

Browser support: 93%+

THEMES & COLOR

prefers-color-scheme	color-scheme
<pre>@media (prefers-color-scheme: dark) { :root { --text: white; --bg: black; } }</pre>	<pre>:root { color-scheme: light dark; }</pre>

Browser support: 95%+

light-dark()	CSS Variables & var()
<pre>:root { color-scheme: light dark; --text: light-dark(black, white); }</pre>	<pre>:root { --accent: #4EA1FF; } button { color: var(--accent); }</pre>

Browser support: 86%

SCROLLING

scroll-behavior	scroll-padding-top	scroll-margin-top
<pre>html { scroll-behavior: smooth; } .sidebar { scroll-behavior: smooth; }</pre>	<pre>html { scroll-padding-top: 80px; }</pre>	<pre>section { scroll-margin-top: 80px; }</pre>

Browser support: 94%+

Global offset

Per-element

COUNTERS

counter-reset / counter-increment	Animated Counter
<pre>main { counter-reset: h2; } h2 { counter-increment: h2; } h2::before { content: counter(h2) ". "; } /* Nested: */ section { counter-reset: h3; } h3::before { content: counter(h2) "." counter(h3) " - "; }</pre>	<pre>@property --c { syntax: ""; initial-value: 0; } @keyframes up { to { --c: 100; } } .ticker { animation: up 3s linear forwards; } .ticker::after { counter-reset: n var(--c); content: counter(n); }</pre>

Browser support: 92.5%+

ANIMATION & MOTION

@property	@keyframes + animation
<pre>@property --angle { syntax: ""; initial-value: 0deg; inherits: false; } @keyframes spin { to { --angle: 360deg; } }</pre>	<pre>@keyframes spin { to { transform: rotate(360deg); } } .el { animation: spin 3s linear infinite; }</pre>

Browser support: 92.5%+

prefers-reduced-motion	Animated Borders
<pre>@media (prefers-reduced-motion: reduce) { * { animation: none !important; } }</pre>	<pre>.card::after { background: conic-gradient(from var(--angle), #f45, #0f9, #06f); animation: spin 3s linear infinite; }</pre>

SCROLL-DRIVEN ANIMATIONS

animation-timeline: scroll()	animation-timeline: view()
<pre>@keyframes grow { to { transform: scaleX(1); } } .progress::before { animation: grow linear both; animation-timeline: scroll(); }</pre>	<pre>img { animation: fadeIn linear forwards; animation-timeline: view(); animation-range-start: 100px; }</pre>

Browser support: 73%

MASKING & VISUAL EFFECTS

mask-image	backdrop-filter
<pre>.slider { mask-image: linear-gradient(to right, transparent, #000 10% 90%, transparent); } /* Before/after slider */ .before { mask: linear-gradient(to right, #000 0, transparent 0); } .after { mask: linear-gradient(to right, transparent 0, #000 0); }</pre>	<pre>dialog::backdrop { backdrop-filter: blur(4px); }</pre>

Browser support: 96%+ (with -webkit- prefix)

VIEW TRANSITIONS

@view-transition	Styling Transitions
<pre>@view-transition { navigation: auto; } #content { view-transition-name: content; }</pre>	<pre>::view-transition-old(content) { animation: out 400ms; } ::view-transition-new(content) { animation: in 400ms; } @keyframes out { to { translate: 100vw 0; } }</pre>

Browser support: 81-87%

MOTION PATH

offset-path / offset-distance	offset-rotate
<pre>.box { offset-path: path('M16,120 C80,20 220,20 284,120'); animation: move 3s ease-in-out infinite; } @keyframes move { to { offset-distance: 100%; } }</pre>	<pre>.arrow { offset-rotate: auto; /* Face travel direction */ }</pre>

Browser support: 93.5%+

NATIVE INTERACTIVE ELEMENTS

<dialog>	<details> / <summary>
<pre><dialog id="modal"> <h2>Title</h2> <form method="dialog"><button>Close</button></form> </dialog> modal.showModal(); /* JS */ dialog[open] { opacity: 1; translate: 0; } @starting-style { opacity: 0; translate: 0 -25vh; }</pre>	<pre>summary::-webkit-details-marker { display: none; } summary::after { content: ">"; transform: rotate(90deg); } details[open] summary::after { transform: rotate(270deg); } .content { display: grid; grid-template-rows: 0fr; } details[open] + .content { grid-template-rows: 1fr; }</pre>

Browser support: 95%+ • @starting-style: 87%

FORM VALIDATION

:valid / :invalid	:user-valid / :user-invalid
<pre>input:valid { border-color: green; } input:invalid { border-color: red; }</pre>	<pre>input:user-valid { --state: green; } input:user-invalid { --state: red; } input:user-valid + .msg [data-matches="user-valid"] { display: block; }</pre>

Browser support: 95%+

Browser support: 87%

EMERGING FEATURES

popover	position-anchor
<pre><button popovertarget="menu">Open</button> <div id="menu" popover>Content</div> [popover]:popover-open { opacity: 1; transform: translateY(0); } @starting-style { opacity: 0; transform: translateY(-20px); }</pre>	<pre>.btn { anchor-name: --btn; } .tip { position: absolute; position-anchor: --btn; top: calc(anchor(bottom) + 8px); position-try: flip-block flip-inline; }</pre>

Browser support: 85.5%

Browser support: 73%

appearance: base-select	CSS Carousels
<pre><select><button><selectedcontent></selectedcontent></button> <option>Item</option></select> select, ::picker(select) { appearance: base-select; } option::checkmark { content: "☑"; } ::picker-icon { color: #666; }</pre>	<pre>.carousel { scroll-snap-type: x mandatory; scroll-marker-group: after; } li::scroll-marker { content: ""; width: 14px; } ::scroll-button(left) { content: "<"; }</pre>

Browser support: 64%

Browser support: 67%

FUTURE / EXPERIMENTAL

random()	sibling-index()	attr(type)
<pre>.confetti > i { animation-delay: random(0ms, 600ms); }</pre>	<pre>.card { animation-delay: calc((sibling-index() - 1) * 80ms); }</pre>	<pre>.chip { rotate: attr(data-rot deg, 0deg); }</pre>
field-sizing	if()	@function
<pre>input, textarea { field-sizing: content; }</pre>	<pre>.card { padding: if(media(width < 700px): .75rem; else: 1.25rem); }</pre>	<pre>@function --space(--n : 1) { result: calc(1rem * var(--n)); }</pre>

Best Practices: Use @supports for feature detection • Provide fallbacks • Respect prefers-reduced-motion • Always validate server-side • Rule of Least Power: HTML → CSS → JS