CSS reference

Use this **CSS reference** to browse an alphabetical index of all of the standard CSS properties, pseudo-classes, pseudo-elements, data types, functional notations and at-rules. You can also browse key CSS concepts and a list of selectors organized by type. Also included is a brief DOM-CSS / CSSOM reference.

Basic rule syntax

Style rule syntax

```
style-rule ::=
    selectors-list {
      properties-list
    }
```

... where :

```
selectors-list ::=
    selector[:pseudo-class] [::pseudo-element]
    [, selectors-list]

properties-list ::=
    [property : value] [; properties-list]
```

See the index of *selectors*, *pseudo-classes*, and *pseudo-elements* below. The syntax for each specified *value* depends on the data type defined for each specified *property*.

Style rule examples

```
strong {
  color: red;
}

div.menu-bar li:hover > ul {
  display: block;
}
```

For a beginner-level introduction to the syntax of selectors, see our guide on CSS Selectors. Be aware that any syntax error in a rule definition invalidates the entire rule. Invalid rules are ignored by the browser. Note that CSS rule definitions are entirely (ASCII) text-based , whereas DOM-CSS / CSSOM (the rule management system) is object-based .

At-rule syntax

As the structure of at-rules varies widely, please see At-rule to find the syntax of the specific one you want.

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> **Note:** The property names in this index do **not** include the JavaScript names where they differ from the CSS standard names.

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Selectors

The following are the various selectors, which allow styles to be conditional based on various features of elements within the DOM.

Basic selectors

Basic selectors are fundamental selectors; these are the most basic selectors that are frequently combined to create other, more complex selectors.

- Universal selector `*`, `ns|*`, `*|*`, `|*`
- Type selector *`elementname`*
- Class selector `.`*`classname`*
- ID selector `#`*`idname`*
- Attribute selector `[`*`attr=value`*`]`

Grouping selectors

Selector list ***A*, *B***

Specifies that both *A* and *B* elements are selected. This is a grouping method to select several matching elements.

Combinators

Combinators are selectors that establish a relationship between two or more simple selectors,

such as "*A* is a child of *B*" or "*A* is adjacent to *B*."

Adjacent sibling combinator ***A*** **+** ***B***

Specifies that the elements selected by both *A* and *B* have the same parent and that the element selected by *B* immediately follows the element selected by *A* horizontally.

General sibling combinator ***A*** **~** ***B***

Specifies that the elements selected by both *A* and *B* share the same parent and that the element selected by *A* comes before—but not necessarily immediately before—the element selected by *B*.

Child combinator ***A*** **>** ***B***

Specifies that the element selected by *B* is the direct child of the element selected by *A*.

Descendant combinator ***A*** ***B***

Specifies that the element selected by *B* is a descendant of the element selected by *A*, but is not necessarily a direct child.

Column combinator ***A*** **||** ***B***

Specifies that the element selected by *B* is located within the table column specified by *A*. Elements which span multiple columns are considered to be a member of all of those columns.

Pseudo

Pseudo classes **:**

Specifies a special state of the selected element(s).

Pseudo elements **::**

Represents entities that are not included in HTML.

> **See also:** Selectors in the Selectors Level 4 specification .

Concepts

Syntax and semantics

- CSS syntax
- At-rules
- Cascade
- Comments
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- Inheritance
- Shorthand properties
- Specificity
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- CSS unit and value types
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DOM-CSS / CSSOM

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- `cssRules[i].cssText` (selector & style)
- `cssRules[i].selectorText`
- `HTMLElement.style`
- `HTMLElement.style.cssText` (just style)

- `Element.className`
- `Element.classList`

Important methods

- `CSSStyleSheet.insertRule()`
- `CSSStyleSheet.deleteRule()`

See also

- Mozilla CSS extensions (prefixed with `-moz-`)
- WebKit CSS extensions (mostly prefixed with `-webkit-`)
- Microsoft CSS extensions (prefixed with `-ms-`)

External Links

- CSS Indices (w3.org)

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English (US) Change language