

CSS Selector



Agenda

- What is CSS Selector?
- How to point almost everything?
- Tools

1 Please discover "Update Agenda" in your Capgemini Tools to get all the agenda slides and to refresh them; there is also a layout without picture in the background available

What is CSS Selector?

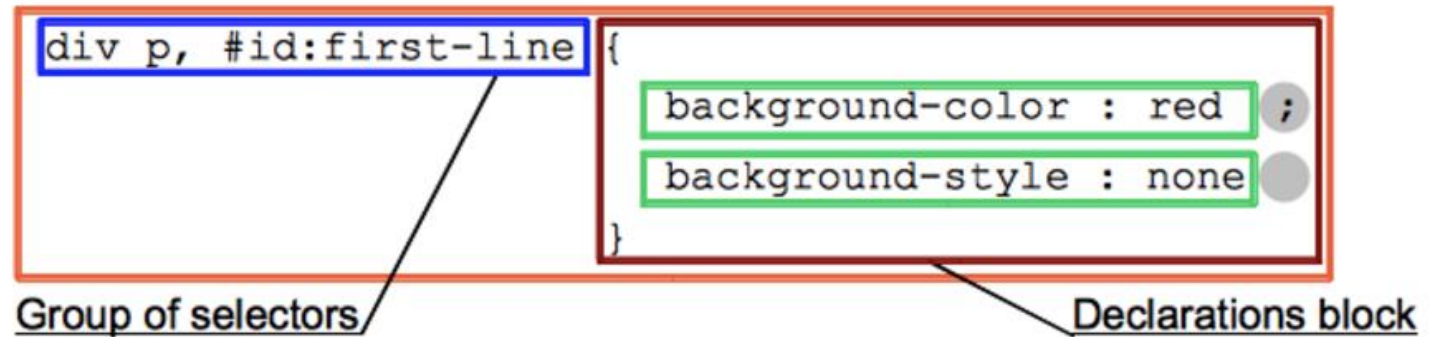
- Selectors are what allows you to target specific HTML elements
- Depends on CSS version (CSS1, CSS2, or CSS3)



CSS Selector

- How to create CSS selector?
- Class
- ID
- Attribute
- ID/Class and attribute

A CSS ruleset (or rule):



CSS Selector

Selector	Example	Example description
<u>.class</u>	.intro	Selects all elements with class="intro"
<u>#id</u>	#firstname	Selects the element with id="firstname"
<u>*</u>	*	Selects all elements
<u>element</u>	p	Selects all <p> elements
<u>element,element</u>	div, p	Selects all <div> elements and all <p> elements
<u>element element</u>	div p	Selects all <p> elements inside <div> elements
<u>element>element</u>	div > p	Selects all <p> elements where the parent is a <div> element
<u>element+element</u>	div + p	Selects all <p> elements that are placed immediately after <div>

www.w3schools.com/cssref/css_selectors.asp

CSS Selector

Selector	Example	Example description
<code>[attribute=value]</code>	<code>[target=_blank]</code>	Selects all elements with target="_blank"
<code>[attribute~=value]</code>	<code>[title~=flower]</code>	Selects all elements with a title attribute containing the word "flower"
<code>[attribute =value]</code>	<code>[lang =en]</code>	Selects all elements with a lang attribute value starting with "en"
<code>[attribute^=value]</code>	<code>a[href^="https"]</code>	Selects every <a> element whose href attribute value begins with "https"
<code>[attribute\$=value]</code>	<code>a[href\$=".pdf"]</code>	Selects every <a> element whose href attribute value ends with ".pdf"
<code>[attribute*=value]</code>	<code>a[href*="w3schools"]</code>	Selects every <a> element whose href attribute value contains the substring "w3schools"

www.w3schools.com/cssref/css_selectors.asp

Simple notation - 2 attributes

element[attribute='attributesValue'][attribute2='attributes2Value']

Example:

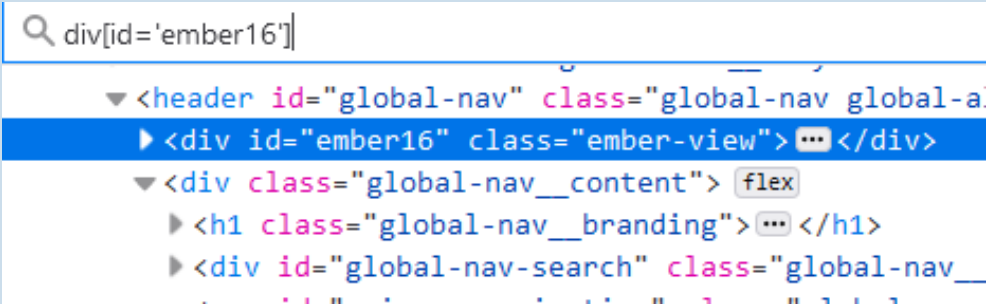
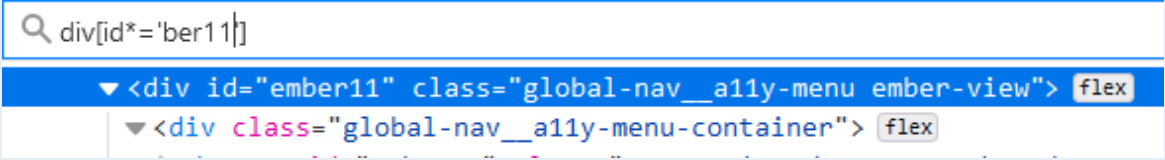
Css: nav[id='primary-navigation'][class='global-nav__nav']

Html:

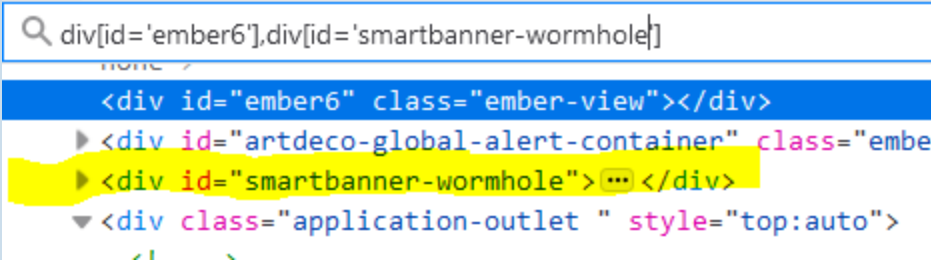
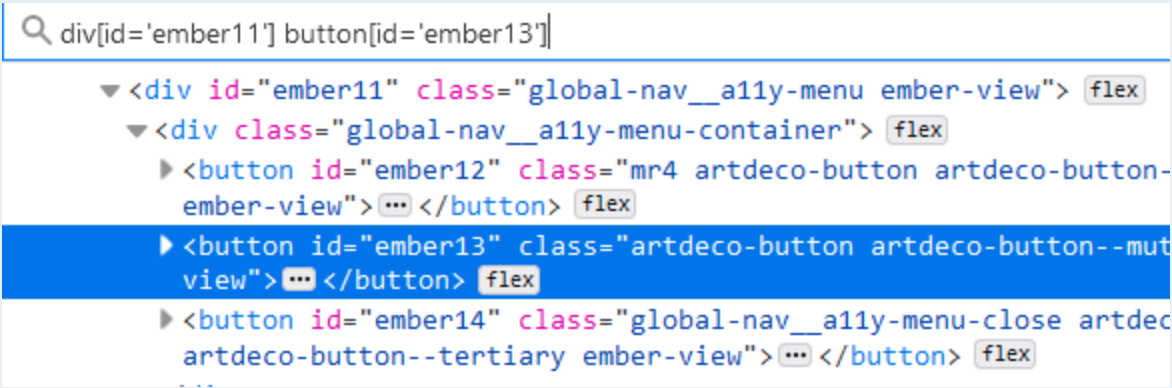
```
▶ <h1 class="global-nav__branding">...</h1>
▶ <div id="global-nav-search" class="global-nav__search">...</div>
▼ <nav id="primary-navigation" class="global-nav__nav">
  <h2 class="visually-hidden" aria-labelledby="primary-navigation">Primary Navigation</h2>
```

Here You don't need to think that . is a class or # is an id. You can use it to any attributes You see inside a html element.

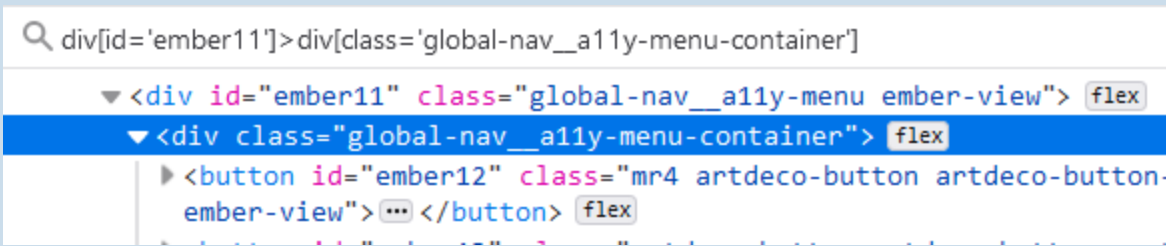
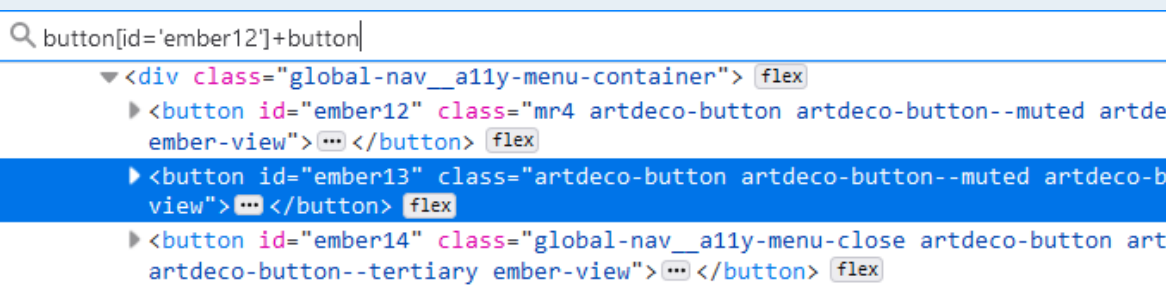
Simple notation - element with attribute

Selector	Example
<p><i>Single element with attribute:</i></p> <p>Element[attribute1='value1']</p>	
<p><i>Single element which attribute value contains a text</i></p> <p>Element[attribute1*='partOfvalue']</p>	

Simple notation - multiple elements

Selector	Example
<p><i>Element 1 and Element 2:</i></p> <p>Element[attribute1='value1'], Element2[attribute2='value2']</p>	
<p><i>Element2 is somewhere inside Element1</i></p> <p>Element1[attribute1='value1'] Element2[attribute2='value2']</p>	

Simple notation - multiple elements

Selector	Example
<p><i>Element2 is a direct child of Element1</i></p> <p>Element[attribute1='value1']>Element2[attribute2='value2']</p>	
<p><i>Element2 is on the same level and direct below Element1</i></p> <p>Element1[attribute1='value1']+Element2</p>	

CSS Selector – example

```
<!-- WILL match -->
```

```
<div id="happy-cake"></div>
```

```
<!-- WILL match -->
```

```
<aside id="happy-cake"></aside>
```

```
<!-- Will NOT match -->
```

```
<div id="sad-cake">Wrong ID!</div>
```

```
<!-- Will NOT match -->
```

```
<div class="happy-cake">That's not an ID!</div>
```

CSS Selector

```
#happy-cake
```

CSS Selector – Optimization

- The descendant selector is the most expensive selector in CSS
- Right to Left
- Max of two selectors to target your element
- Don't over-qualify selectors



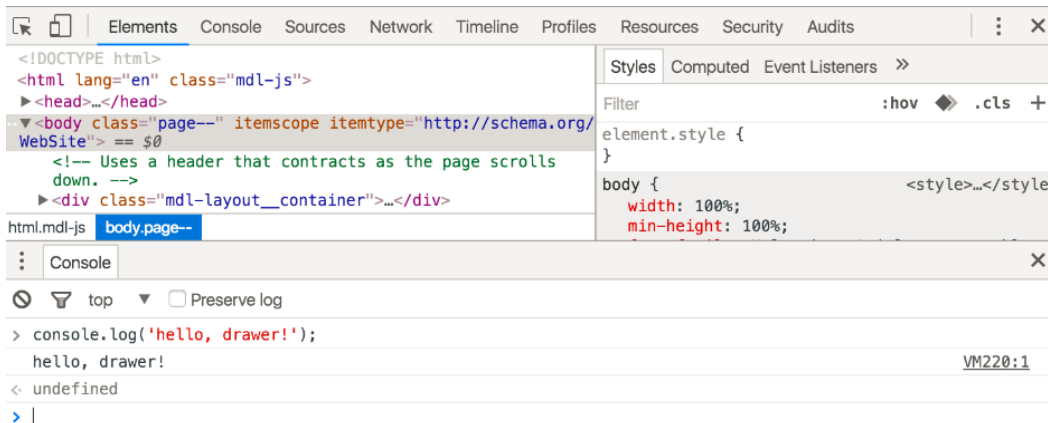
CSS Selector – best practices

- Readability
- Use ID is not recommended
- CSS Selectors are preferred more than other selectors types



CSS Selector – useful tools

- Browser DevTools
- FireBug
- Browser Console



People matter, results count.

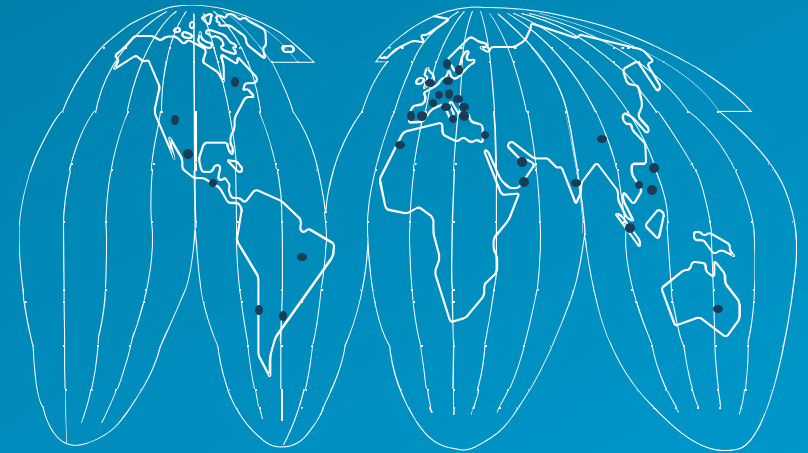


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