

HTML 01: CSS

CSS?



Valjana CSS3 Datoteka

```
body {  
    padding-left: 11em;  
    font-family: Georgia, "Times New Roman",  
    Times, serif;  
    color: purple;  
    background-color: #d8da3d  
}
```

Nakon vrijednosti zadnjeg svojstva se i ne treba stavljati znak ;
Mi ćemo ipak na kraju vrijednosti svakog svojstva stavljati znak ;


<https://jigsaw.w3.org/css-validator/>

**CSS Validation Service**
Check Cascading Style Sheets (CSS) and (X)HTML documents with style sheets

By URI **By file upload** **By direct input**

Validate by direct input
Enter the CSS you would like validated:

```
body {  
    padding-left: 11em;  
    font-family: Georgia, "Times New Roman",  
    Times, serif;  
    color: purple;  
    background-color: #d8da3d  
}
```

**The W3C CSS Validation Service**
W3C CSS Validator results for TextArea (CSS level 3)

Jump to: **Validated CSS**

W3C CSS Validator results for TextArea (CSS level 3)

Congratulations! No Error Found.

This document validates as [CSS level 3](#) !

CSS selektori - generički

```
selektor{  
  svojstvo: vrijednost;  
}
```

```
lista selektora, selektor2{  
  svojstvo1: vrijednost;  
  svojstvo2: vrijednost;  
}
```

```
element > podelement#identifikator{  
  svojstvo1: vrijednost;  
}
```

CSS selektori - vrste

Univerzalni selektor

```
* { color: green; font-size: 20px; line-height: 25px; }
```

Selektor elementa

```
ul { list-style: none; border: solid 1px #ccc; }
```

Selektor identifikacije

```
#podrucje { width: 960px; margin: 0 auto; }
```

Selektor klase

```
.unos { padding: 20px; margin: 10px; width: 240px; }
```

Izvor:

<https://www.sitepoint.com/css-selectors/>

CSS selektori - vrste

Kombinator potomaka

#podrucje .unos { float: left; padding-bottom: 15px; }

znak **razmak**

Kombinator djece

#podrucje > .unos { float: left; padding-bottom: 15px; }

Kombinator rođaka

h2 ~ p { margin-bottom: 20px; }

Kombinator susjednih rođaka

h2 + p { margin-bottom: 20px; }

Izvor:

<https://www.sitepoint.com/css-selectors/>

<https://teamtreehouse.com/community/difference-between-descendant-and-child-selectors>

CSS selektori - vrste

Selektor atributa

```
input[type="text"] { background-color: #444; width: 200px; }
```

Pseudo klase

```
a:hover { color: red; }      ul:nth-child(4) { color: lime; }
```

Pseudo elementi

```
.dodaj:before { content: "+"; display: block; width: 50px; height: 50px; background-color: #141414; }
```

Izvor:

<https://www.sitepoint.com/css-selectors/>

user-select

vector-effect

vertical-align

▶ view-*

visibility

white-space

white-space-collapse

widows

width

will-change

word-break

word-spacing

writing-mode








x

y

z-index

zoom

CSS svojstva <https://developer.mozilla.org/en-US/docs/Web/CSS>

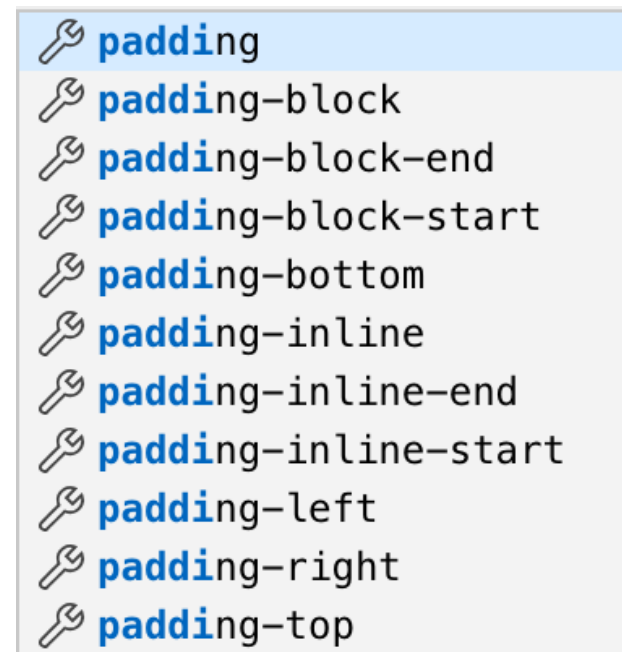
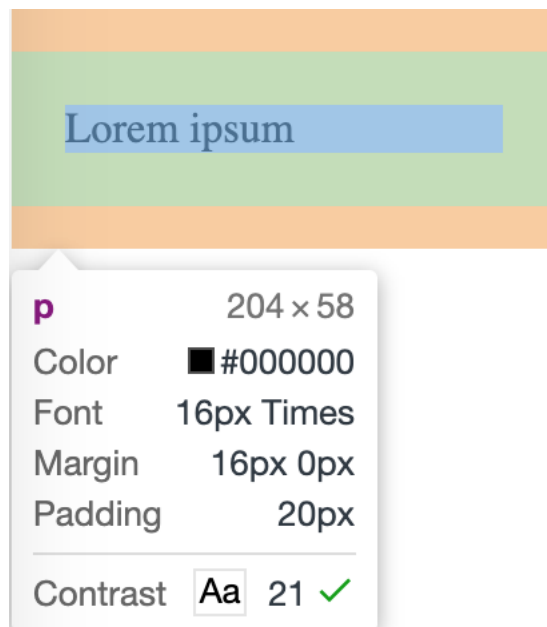
▶ -moz-*	bottom	cursor	▶ font-*	▶ justify-*	▶ offset-*	▶ position-*	▶ shape-*	
▶ -webkit-*	▶ box-*	cx			opacity	print-color-adjust	stop-color	
accent-color	▶ break-*	cy	forced-color-adjust	left	order	quotes	stop-opacity	
▶ align-*	caption-side	d	gap	letter-spacing	orphans	r	▶ stroke-*	
alignment-baseline	caret-color	direction	▶ grid-*	lighting-color	▶ outline-*	resize	tab-size	
all	clear	display	hanging-punctuation	▶ line-*	▶ overflow-*	right	table-layout	
anchor-name 	▶ clip-*	dominant-baseline	height	▶ list-*	overlay 	rotate	▶ text-*	
▶ animation-*	▶ color-*	empty-cells	hyphenate-character	▶ margin-*	▶ overscroll-*	row-gap	timeline-scope 	
appearance	▶ column-*	field-sizing 	hyphenate-limit-chars	▶ marker-*	▶ padding-*	ruby-align	top	
aspect-ratio	columns	▶ fill-*	hyphens	▶ mask-*	▶ page-*	ruby-position	touch-action	
backdrop-filter	▶ contain-*	filter	▶ image-*	▶ math-*	paint-order	rx	▶ transform-*	
backface-visibility	▶ container-*	▶ flex-*	initial-letter	▶ max-*	perspective	ry	▶ transition-*	
▶ background-*	content	float	▶ inset-*	mix-blend-mode	perspective-origin	scale	translate	
block-size	content-visibility	flood-color	interpolate-size 	object-fit	▶ place-*	▶ scroll-*	unicode-bidi	
▶ border-*	▶ counter-*	flood-opacity	isolation	object-position	pointer-events	▶ scrollbar-*	user-modify  	

CSS svojstva

razrada na primjeru svojstva padding

padding kreira dodatni prostor unutar elementa

```
<!DOCTYPE html>
<html lang="hr">
<head>
  <meta charset="UTF-8">
  <title> FD predavanje</title>
  <style>
    p{padding: 20px;}
  </style>
</head>
<body>
  <p>Lorem ipsum</p>
</body>
</html>
```



Izvor:

<https://developer.mozilla.org/en-US/docs/Web/CSS/padding>

Načini pisanja CSS svojstava

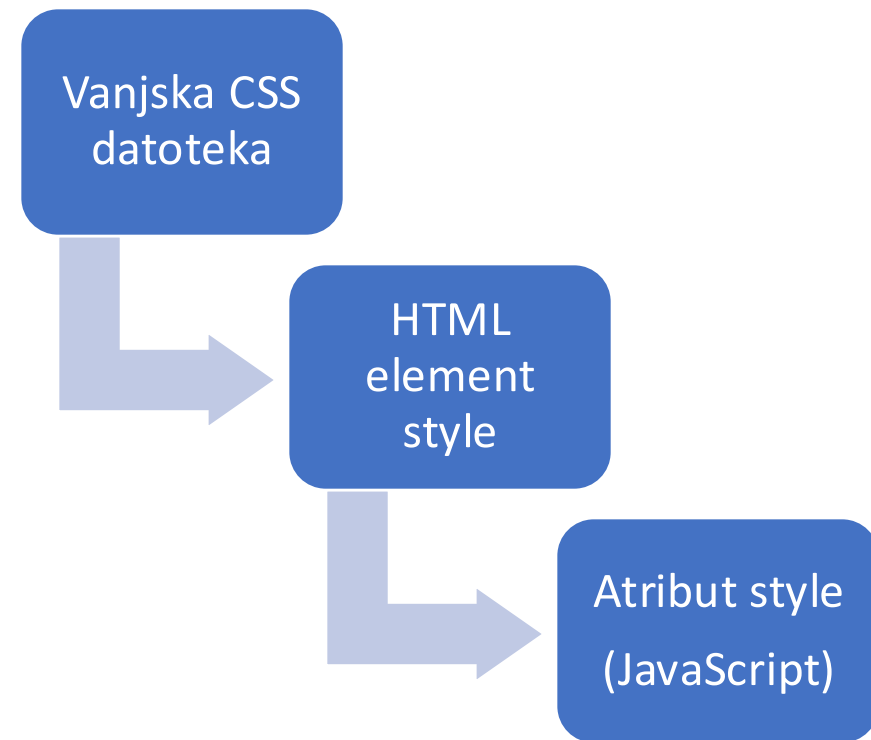
Značenje Cascading:

- kaskadno
- padati u slapovima - vodopadno

Primjenjuje se zadnje dodijeljeno svojstvo

Svojstva se ne mijenjaju u originalnoj CSS datoteci

Svojstva se redefiniraju kaskadno - vodopadno



Izvor:

<https://css-tricks.com/the-c-in-css-the-cascade/>

Načini pisanja CSS svojstava

Vanjska CSS datoteka

stil.css datoteka

```
body {  
  padding-left: 11em;  
  font-family: Georgia, "Times New Roman",  
    Times, serif;  
  color: purple;  
  background-color: #d8da3d;  
}
```

index.html datoteka

```
<head>  
  <meta charset="UTF-8">  
  <title> FD predavanje</title>  
  <link rel="stylesheet" href="stil.css">  
</head>
```

HTML link element se može koristiti bilo gdje u HTML dokument, međutim standardno se definira u head elementu.

Načini pisanja CSS svojstava

HTML style element

```
<head>
  <meta charset="UTF-8">
  <title> FD predavanje</title>
  <style>
    body {
      padding-left: 11em;
      font-family: Georgia, "Times New Roman",
        Times, serif;
      color: purple;
      background-color: #d8da3d;
    }
  </style>
</head>
```

HTML style element se može koristiti bilo gdje u HTML dokument, međutim standardno se definira u head elementu.

Načini pisanja CSS svojstava

HTML style atribut na elementu

```
<p style="padding-left: 11em;  
font-family: Georgia, 'Times New Roman',  
Times, serif;  
color: purple;  
background-color: #d8da3d;">  
    Lorem ipsum  
</p>
```

INLINE CSS: kada se svojstva nalaze u atributu style HTML elementa

Načini pisanja CSS svojstava

Javascript

```
<body>
  <p id="tekst">
    Lorem ipsum
  </p>
  <script>
    document.getElementById('tekst').style.color = 'tomato';
  </script>
</body>
```

Uobičajeno je da se javascript kod nalazi u vanjskoj .js datoteci. O tome detaljnije na predavanju o Javascript.

CSS jedinice mjera

Apsolutne mjere

Unit	Name	Equivalent to
cm	Centimeters	1cm = 96px/2.54
mm	Millimeters	1mm = 1/10th of 1cm
Q	Quarter-millimeters	1Q = 1/40th of 1cm
in	Inches	1in = 2.54cm = 96px
pc	Picas	1pc = 1/16th of 1in
pt	Points	1pt = 1/72th of 1in
px	Pixels	1px = 1/96th of 1in

Relativne mjere

Unit	Relative to
em	Font size of the parent element.
ex	x-height of the element's font.
ch	The advance measure (width) of the glyph "0" of the element's font.
rem	Font size of the root element.
lh	Line height of the element.
vw	1% of the viewport's width.
vh	1% of the viewport's height.
vmin	1% of the viewport's smaller dimension.
vmax	1% of the viewport's larger dimension.

Izvor:

https://developer.mozilla.org/en-US/docs/Learn/CSS/Building_blocks/Values_and_units