

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/>



The screenshot shows the W3C CSS Validation Service interface. At the top, it says "CSS Validation Service" and "Check Cascading Style Sheets (CSS) and (X)HTML documents with style sheets". Below that are three buttons: "By URI", "By file upload", and "By direct input". The "By direct input" button is selected. A text area titled "Validate by direct input" contains the CSS code from the previous block. The status bar at the bottom of this area says "Validating...".



The screenshot shows the validation results. It features the W3C logo and the title "The W3C CSS Validation Service". Below that, it says "W3C CSS Validator results for TextArea (CSS level 3)". A green bar at the bottom says "Congratulations! No Error Found." and "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

znak **razmak**

Kombinator potomaka

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

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/>

bottom

cursor

► font-*

► justify-*

► offset-*

► position-*

► shape-*

► box-*

cx

forced-color-adjust

left

opacity

print-color-adjust

stop-color

visibility

accent-color

► break-*

cy

gap

letter-spacing

order

quotes

stop-opacity

white-space

► align-*

caption-side

d

► grid-*

lighting-color

orphans

r

► stroke-*

white-space-collapse

alignment-baseline

caret-color

direction

hanging-punctuation

► line-*

► outline-*

resize

tab-size

widows

all

clear

display

height

► list-*

► overflow-*

right

table-layout

width

anchor-name 

► clip-*

dominant-baseline

hyphenate-character

► margin-*

► overlay 

rotate

► text-*

will-change

► animation-*

► color-*

empty-cells

hyphenate-limit-chars

► marker-*

► overscroll-*

row-gap

timeline-scope 

word-break

appearance

► column-*

field-sizing 

hyphens

► mask-*

► padding-*

ruby-align

top

word-spacing

aspect-ratio

columns

► fill-*

► image-*

► math-*

► page-*

ruby-position

touch-action

writing-mode

backdrop-filter

► contain-*

filter

initial-letter

► max-*

paint-order

rx

► transform-*

x

backface-visibility

► container-*

► flex-*

inline-size

► min-*

perspective

ry

► transition-*

x

► background-*

content

float

► inset-*

mix-blend-mode

perspective-origin

scale

translate

y

block-size

content-visibility

flood-color

interpolate-size 

object-fit

► place-*

► scroll-*

unicode-bidi

z-index

► border-*

► counter-*

flood-opacity

isolation

object-position

pointer-events

► scrollbar-*

user-modify  

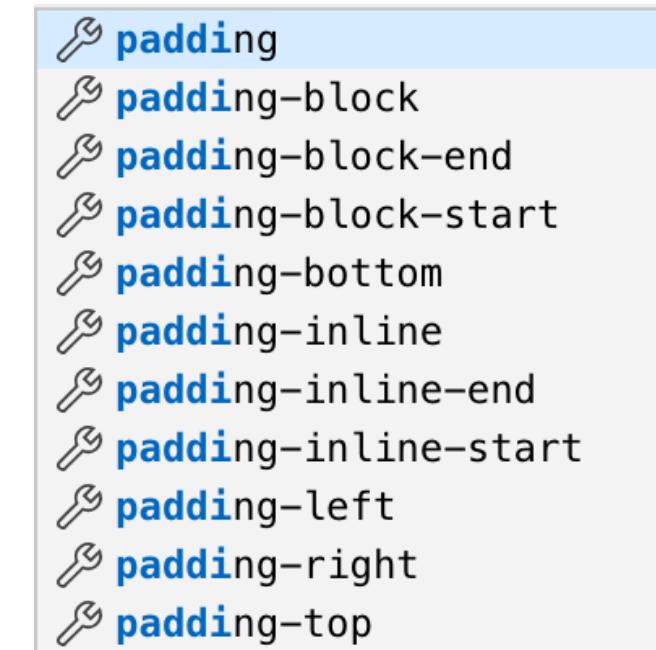
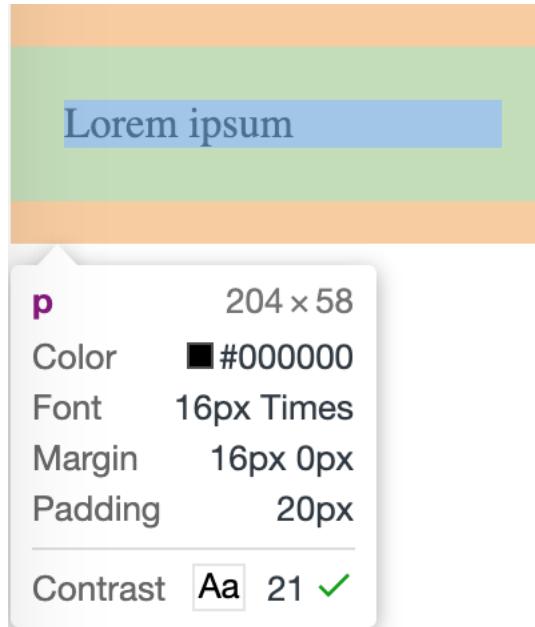
zoom

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

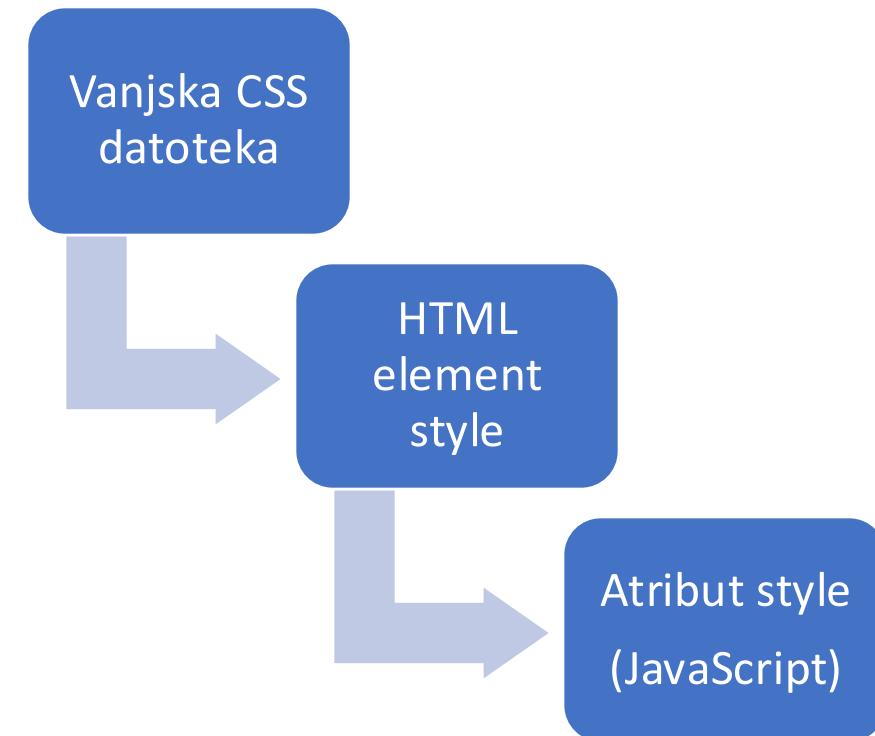
Značenje Cascading:

- 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