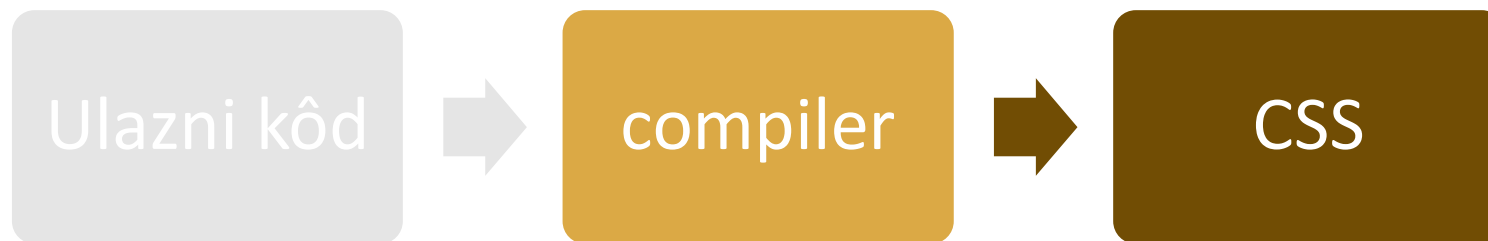




CSS

CSS Preprocessori

Što su preprocesori i kako rade?



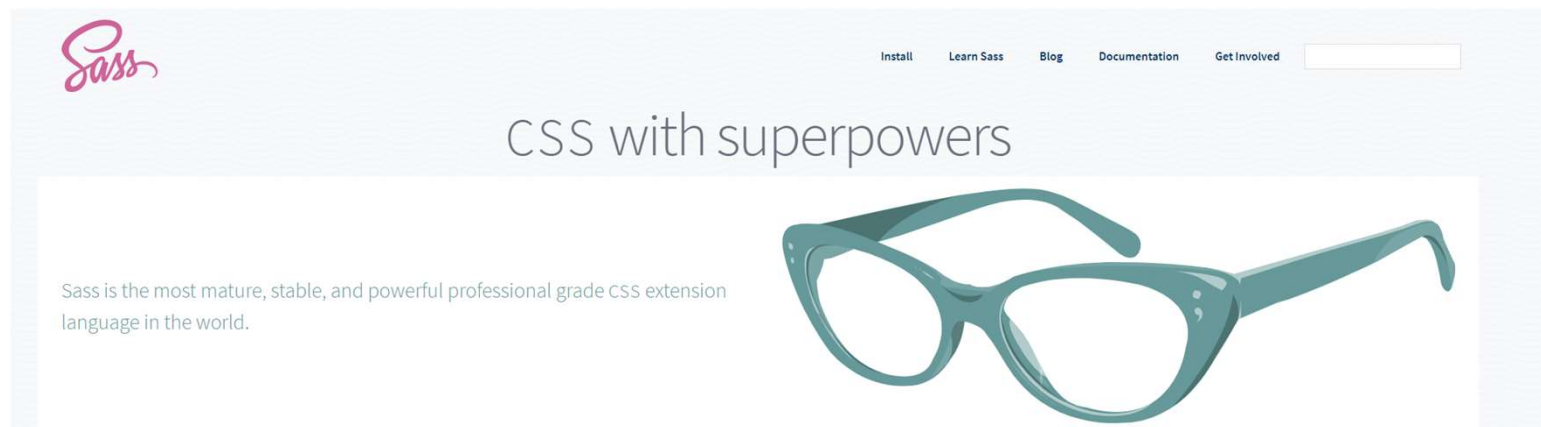
Prednosti korištenja

- više mogućnosti
- čišći i jednostavniji kôd
- veća fleksibilnost pri radu
- *Snippets & Libraries*
- štede vrijeme i trud
- ...

Popularni preprocesori



Sass



<https://sass-lang.com/>

Sass vs. SCSS

`/* CSS */`

```
.content-navigation {  
border-color: #3bbfce;  
color: #2b9eab;  
}
```

```
.border {  
padding: 8px;  
margin: 8px;  
border-color: #3bbfce;  
}
```

`/* SASS */`

```
$blue: #3bbfce  
$margin: 16px
```

```
.content-navigation  
border-color: $blue  
color: darken($blue, 9%)
```

```
.border  
padding: $margin / 2  
margin: $margin / 2  
border-color: $blue
```

`/* SCSS */`

```
$blue: #3bbfce;  
$margin: 16px;
```

```
.content-navigation {  
border-color: $blue;  
color: darken($blue, 9%);  
}
```

```
.border {  
padding: $margin / 2;  
margin: $margin / 2;  
border-color: $blue;  
}
```

Mogućnosti

- *Variables*
- *Nesting*
- *Mixins*
- *Imports*
- *Loops*
- ...

Variable

```
$red: #833;
```

```
body {  
  color: $red;  
}
```

Nesting

```
.markdown-body {  
  p {  
    color: blue;  
  }  
}
```

```
&:hover {  
  color: red;  
}  
}
```

Extend

```
.button {  
  ...  
}  
.push-button {  
  @extend .button;  
}
```

Composing

```
@import './other_sass_file';
```

Mixins

```
@mixin heading-font {  
  font-family: sans-serif;  
  font-weight: bold;  
}  
h1 {  
  @include heading-font;  
}
```

Mixins

```
@mixin font-size($n) {  
  font-size: $n * 1.2em;  
}  
body {  
  @include font-size(2);  
}
```

Mixins

```
@mixin pad($n: 10px) {  
  padding: $n;  
}  
body {  
  @include pad(15px);  
}
```

For loops

```
@for $i from 1 through 4 {  
  .item-#{ $i } { left: 20px * $i; }  
}  
mixin pad($n: 10px) {  
  padding: $n;  
}  
body {  
  @include pad(15px);  
}
```


Each loops

```
$menu-items: home about services contact;
```

```
@each $item in $menu-items {  
  .photo-#{$item} {  
    background: url('images/#{$item}.jpg');  
  }  
}
```

Conditionals

```
@if $position == 'left' {  
  position: absolute;  
  left: 0;  
}  
@else {  
  position: static;  
}
```

Maps

```
$map: (key1: value1, key2: value2, key3: value3);
```

```
map-get($map, key1)
```



Hvala na
pažnji!