CSS Preprocessors

CSS Preprocessors - Pros & Cons

Pros

- Write less / easier-to-read style code (or not)
- Write browser-specific style code (for some)
- New features (variables, functions, maths...)
- Transparently serve minified CSS

- ...

Cons

- Use resources on server and/or client side
- Learn a new language
- Learn to debug in this new language
- Well-writen CSS has the same result

- ...

CSS Preprocessors – Main Features

Variables

CSS Preprocessors - Main Features

Rules nesting

```
#header {
                                              #header h1 {
                                                font-size: 26px;
 h1 {
    font-size: 26px;
                                                font-weight: bold;
    font-weight: bold;
                                              #header p {
 p { font-size: 12px;
                                                font-size: 12px;
    a { text-decoration: none;
      &:hover { border-width: 1px }
                                              #header p a {
                                                text-decoration: none;
                                              #header p a:hover {
                                                border-width: 1px;
```

CSS Preprocessors - Main Features

Functions

```
.rounded-corners (@radius: 5px) {
                                              #header {
 border-radius: @radius;
                                                border-radius: 5px;
  -webkit-border-radius: @radius;
                                                -webkit-border-radius: 5px;
  -moz-border-radius: @radius;
                                                -moz-border-radius: 5px;
                                              #footer {
#header {
                                                border-radius: 10px;
                                                -webkit-border-radius: 10px;
  .rounded-corners;
                                                -moz-border-radius: 10px;
#footer {
  .rounded-corners (10px);
```

CSS Preprocessors - Features

Math

```
@the-border: 1px;
                                             #header {
@base-color: #111;
                                               color: #333;
@red:
            #842210;
                                               border-left: 1px;
                                               border-right: 2px;
#header {
 color: @base-color * 3;
                                             #footer {
                                               color: #114411;
 border-left: @the-border;
 border-right: @the-border * 2;
                                               border-color: #7d2717;
#footer {
 color: @base-color + #003300;
 border-color: desaturate(@red, 10%);
```

CSS Preprocessors - Choice

Features Processors	Nesting	Variables	Functions	Math	•••
LESS	V	V	V	V	
SASS	V	V	V	V	
Dynamic CSS	X	V	V	V	
xCSS	V	V	X	V	
CSS DRY	V	X	X	X	

Tips

www.dzone.com/links/r/10 less css examples you should steal for your pr.html