Hands-on Responsive Design Using a CSS Preprocessor

CSS PREPROCESSOR OVERVIEW

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Agenda

What is a CSS Preprocessor

Why Should You Use One

Popular Languages

Versions of SASS

Preprocessor Engine/Program
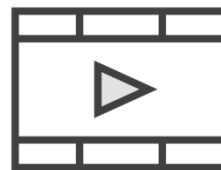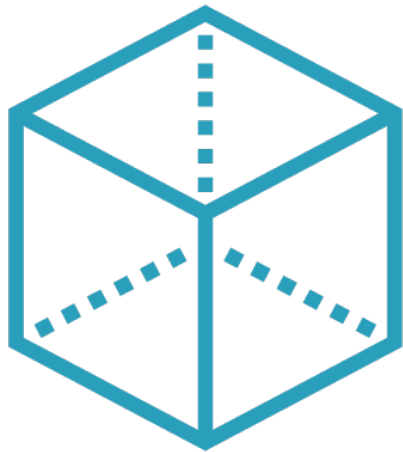
DRY / WET coding

What is a CSS Preprocessor?

Variables

Loops

Functions

Why Should You Use a CSS Preprocessor?
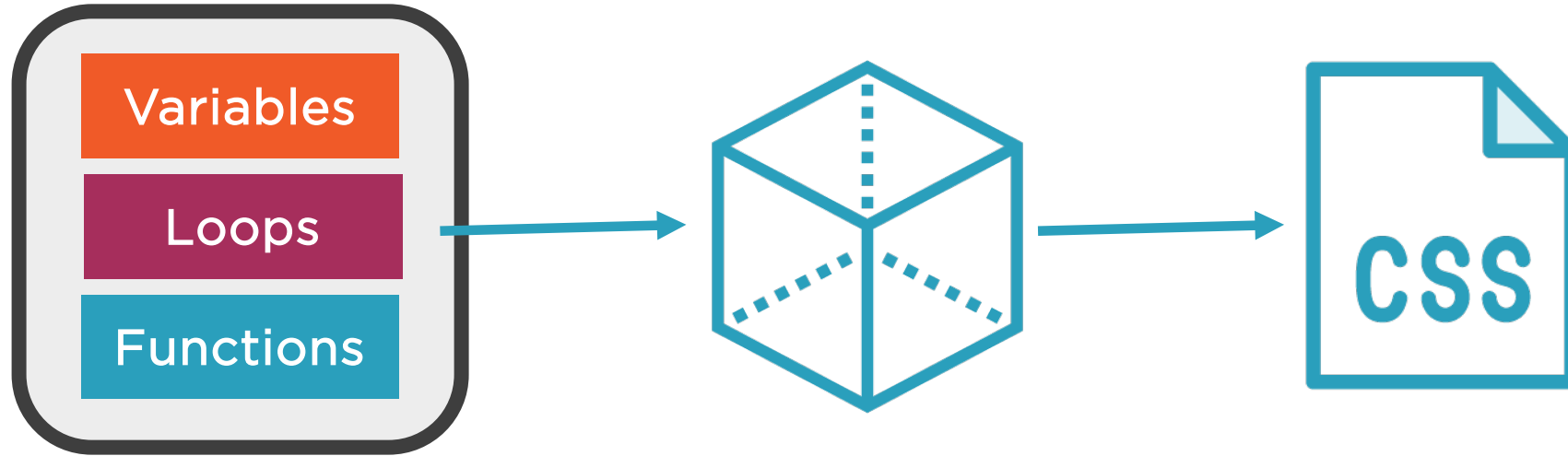
Speed

Organization

Modification

Minification

Errors

Myth

Popular CSS Preprocessor Languages

Variables
Loops
Functions

Versions of Sass

.sass

introduced in version 1

indentation-oriented syntax

difficult to learn

less common

```
// Variable
!primary-color= hotpink

.my-element
    color= !primary-color
    width= 100%
```
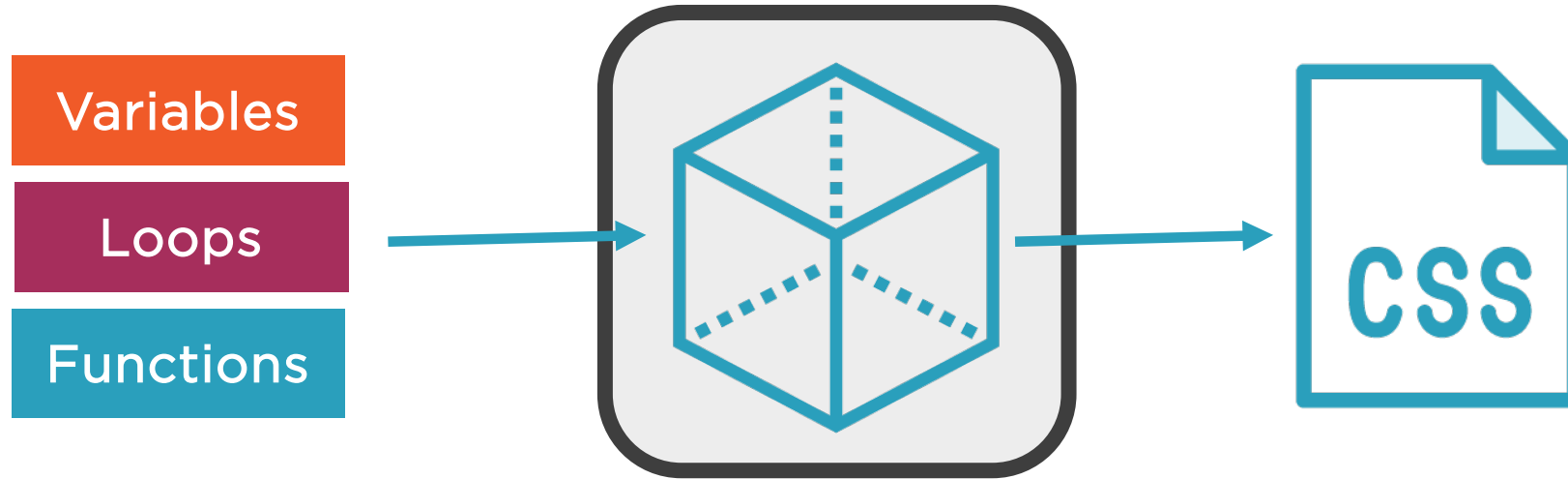
.scss

introduced in version 3

colon, semicolon syntax

easy to learn

more common

```
// Variable
$primary-color: hotpink;

.my-element {
    color: $primary-color;
    width: 100%;
}
```

CSS Preprocessor Engine

Variables

Loops

Functions

RUBY

Javascript

PHP

Node js

Compass

CSS

http://koala-app.com

DRY vs. WET

WET (write everything twice)　　　**DRY** (don't repeat yourself)

```
.list1 {
    line-height: 150%
    margin-left: 1em;
    font-weight: 700;
    color: #123456;
}


.list2 {
    line-height: 150%
    margin-left: 1em;
    font-weight: 700;
    color: #654321;
}
```

```
.list1, .list2 {
    line-height: 150%
    margin-left: 1em;
    font-weight: 700;
}


.list1 {
    color: #123456;
}


.list2 {
    color: #654321;
}
```

Wrap Up

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