

# SASSiJS

Syntactically Awesome  
Style Sheets  
in JavaScript

# The Big Question

What is the point of a Style Sheet?

# CSS

- No class inheritance.
- No expressions.
- No variables.
- Descend only.
- Some awkward rules (multiple positioning, margins, floating).
- Box-model means all 90-degree angles.
- No columns / text flow control.

# SASS

Syntactically Awesome StyleSheets

# SASS working example

```
require 'rubygems'
```

```
require 'sass'
```

```
template = Sass::Engine.new( "body\n  :color  
#990000" )
```

```
template.render
```

```
=> "body {\n  color: #990000; }\n"
```

# SASS major components

- Selectors and rules.
- Variables.
- Expressions.
- Mixins.

# SASS template example

## *selection and rules*

body

:font 'Arial'

:background blue

#page

:width 700px

:height 100

#header

:height 300px

h1

:font-size 50px

:color blue

# SASS template example *variables*

```
!width = 10em + 20
```

```
!str = "Hello!"
```

```
!main_text = #ffa
```

```
#main
```

```
:content = !str
```

```
:width = !width
```

```
:background-color #000
```

```
:color= !main_text
```



# SASS template example

## *expressions*

b

```
:foo= 0.5 * 10px  
:bar= 10zzz * 12px / 5zzz  
:baz= percentage(12.0px / 18px)  
:mm= 5mm + 1cm  
:pc= 1pc + 12pt  
:pt= 72pt - 2in  
:inches= 1in + 2.54cm  
:more-inches= 1in + ((72pt * 2in) + (36pt * 1in))  
/ 2.54cm  
:mixed= (1 + (1em * 6px / 3in)) * 4in / 2em
```

# SASS template example

## *mixins*

b

```
:foo= 0.5 * 10px  
:bar= 10zzz * 12px / 5zzz  
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# SASS vs CSS

- Expressions, Variables, Mixins

# Working with Jessie

- SASS + in + JavaScript => SASSiJS
- Please play with my sassijs.

```
<script src="./sassijs.js" type="text/javascript"></script>
```

```
<link href="./main.sass" type="text/sass" />
```

- <http://github.com/clr/sassijs>

# SASSiJS vs SASS

- Client-state-aware expressions.
- No transformation steps.
- True tree ascension.
- Possible future performance over CSS.
- Cascade halting.

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