

# Sassy CSS

An Introduction to  
Compass, Sass and Susy



# Sass, or Syntactically Awesome Stylesheets

- Nesting
- Variables
- Mixins
- Functions

# 2 Syntaxes: Sass & SCSS

- Both fully support CSS3
- Both compile to clean CSS
- Can convert back and forth from one syntax to the other

# Sass

- Whitespace conscious
- Use indents instead of {brackets}
- New lines separate properties, not semicolons;
- Fast to write
- Clean to look at
- Simple to review and edit

# SCSS

- More directly an extension of CSS3 than Sass
- Looks more like CSS in format
- Still uses {brackets} and semicolons;

# Nesting

- Child selectors can nest under their parents to cut down on repetition: ul, li, a
- Use & to nest pseudo-classes like &:active, &:hover under a
- Nest properties to save time on border- and font-
- Selector inheritance and output styles

# Variables, the spice of Sass

- Use \$ to declare colors or fonts in one place, making changes or tweaks a snap
- Able to dynamically alter mixins with math the operations +, -, \*, /, and %
- Create custom variables for your project

# Mixins and Fixins'

- Use '@mixin' to pass a block of styles for properties or selectors
- Use '@include' to then apply without adding a class or copying and pasting
- Again, changes happen in one place and then are updated
- Pass some arguments if you are feelin' lucky



# Super Sass

- Use '@import' to pull in partial style sheets, or 'partials' i.e. `_sassiest.sass`
- Short, sweet, imported directly
- No file extension needed on the import
- “any variables or mixins defined in @imported files are available to the files that import them” - <http://sass-lang.com>

# Get Sass for Yourself

- Install Ruby
- Install Sass gem -> `gem install sass`
- Start your compiler -> `sass --watch style.scss:style.css`
- Write away!

# Compass

- CSS authoring framework
- Use SCSS or Sass
- Runs on Ruby too
- Don't write Sass without it -> `gem install compass`

# Compass Core

- Save yourself some time, pre-written
- CSS3 gold
- Common typography styles? No sweat.
- Compass core utilities
- Can also opt to import the Blueprint project, which is fully supported

# @import “compass/css3”

- Use kick-sass CSS3 properties and let compass handle the cross-browser code

Appearance

Box Shadow

Inline Block

Background Clip

Box Sizing

Opacity

Background Origin

Columns

Text Shadow

Background Size

Font Face

Transform

Border Radius

Gradient

Transition

Box

Images

# @import “compass/ typography”

- style up lists, links, text styling, and vertical rhythm

links

hover Link

link colors

unstyled links

lists

bullets

horizontal lists

inline-block lists

inline lists

ellipsis

force wrap

no wrap

text replacement

vertical rhythm

baselines

font size

line height

# @import “compass/ utilities”

- make colors magical, fix floats, pre-hack specific browsers, make sprites easy and make styling tables smart

colors

minimums

table striping

clearfix

resets

table borders

floats

tags

table

hacks

sprites

scaffolding

# Susy!

- “A simple grid system that is fully customized to your markup, your grid, your designs, the way you want them.” - @eriicam the creator
- `gem install compass-susy-plugin`



# Set-up

- Define variables for:
  - number of columns in grid
  - column width
  - gutter width (space between columns)
  - side-gutter width

# Grids, Grids, Grids

- “fluid on the inside & elastic on the outside” - @eriicam
- Units: use percentages for a fluid grid and pixels for a fixed grid
- Mixins: use ‘full’ to span the full width and ‘columns’ to declare element widths within the container

# How to make it work

1. It's just CSS
2. Compiling and committing: formats and using a version control system
3. Teamwork: #teamSass and using Sass as a Team

# 1. It's just CSS

- Don't get carried away
- Check what your css looks like if your changes aren't showing
- Use CSS best practices, only faster
- Use Compass to generate common CSS
- Remember: Clean Code is Good Code

## 2. Compiling & Committing

- Be careful when using FireSass
- Watch your compiling stream for errors and deprecations
- The difference between compass compile & compass watch
- Turn of comments, re-compile, commit with... Git

# 3. Teamwork

- Join team Sass, but don't become a sass-hole to your team
- Use arguments, but don't argue over syntax, they work together!
- Pro-tip: Committing JUST the Sass/Scss and compiling CSS on the server, environment-permitting

# References & Resources

- Sass: <http://sass-lang.com/>
- Compass: <http://compass-style.org/>
- Susy: <http://susy.oddbird.net/>
- The Sass Way: <http://thesassway.com>
- On twitter: @thesassway & #teamSass

# Thanks!

- dead\_arm on drupal.org and twitter