

The Angular and the Material: Theme Lift

Sass



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Overview

What is angular material?

An UI component library for Angular 2+ developers.

Used in constructing attractive, consistent, and functional web applications adhering to modern design.

Has some limitations however:

- 3 colors
- Poor documentation
- Strict Theme Guide

Living in a Material World

From Angular Material Site:

- `npm install --save @angular/material @angular/cdk @angular/animations`
- In `app.module` add:
 - `import {BrowserAnimationsModule} from '@angular/platform-browser/animations';`
 - And inside imports add: `BrowserAnimationsModule`
- Angular Materials says to import all material modules into your `app.module`
 - For performance try a more targeted approach and import the modules under the components using them

Installation Continued: Shear Madness

- In styles.scss import:
 - @import "~@angular/material/prebuilt-themes/indigo-pink.css";
- Some components require HammerJs to be installed
 - I.e. mat-slide-toggle, mat-slider, matTooltip
 - npm install --save hammerjs
- For alternative installation paths and optional installations:
 - Check out - <https://material.angular.io/guide/getting-started>

Every Story's Coming of Age Theme

- Create master theme file
- Add file to angular json
- Import angular material theming into theme.scss
- Creating light/dark theme file(s) and folder



Primary and Accent and Warning! Oh my!

- **Primary:** used as the primary color on your angular components
- **Accent:** the secondary for your angular components
- **Warn:** used for error states
- Angular color palettes:
 - Color range and text color



Now You Know How to Use the 3 Seashells Colors



Breaking the Bonds... Angular Bonds

Steps:

1. Map retrieval
 - a. `node_modules > @angular > material > _theming.scss > line 1167-ish`
 - b. Convert into a function in your theme files (`light-theme.scss`)
 - c. Combine the functions into the theme
2. Rinse and repeat for dark theme
3. Create new functions to build your themes

Breaking the Mold De-meow



Baby Got Custom Components by Sir @Mixin lot

- Create theme.scss file for all custom components
- Import angular material theming
- Create @mixin for that custom component that takes in the theme
 - Apply stylings using passed in theme
 - Wrap all stylings with component tag
- In master theme file create a @mixin that calls all custom component @mixins (make sure to import the components theme.scss file)
- Include that @mixin in the theme.scss file

But what about the 16,777,213 other colors?

- In the light/dark theme create a new color map
- Pass the color maps into custom component @mixins
- Use the newly passed color map in said custom components



The Final Demo



Galaxy Quest-ions?

