# Styling Web Components



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### Overview



**Introduction to CSS Custom Properties** 

Create a styling API for the star rating Web Component

Create a styling API for the slide out menu component

Discover the possibilities of CSS @apply mixins



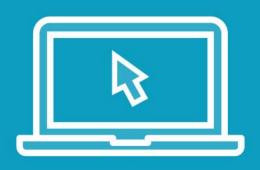


CSS Custom Properties

**Quick introduction** 

Overview of browser support





Adding a Styling API to the Star Rating Web Component

Specify colors for the stars

See how to add default/fallback values with CSS Custom Properties

See how a user can specify the CSS
Custom Properties for the component to
use





Adding a Styling API to the Slide Out Menu Web Component

Customize the various colors used

Modify the size of the title

Change the width of the menu



# Many CSS Custom Properties

```
.title {
   display: flex;
   flex-direction: row;
   min-height: 3.2em;
   font-size: var(--title-size, 1.5em);
   background-color: var(--title-bg-color, #F1F1F1);
   color: var(--title-color, #666);
```

# Many CSS Custom Properties

```
rw-slide-menu {
   --menu-width: 100%;
   --title-size: 0.8em;
   --title-color: orange;
   --title-bg-color: red;
   --menu-bg-color: green;
```



## Even More CSS Custom Properties

```
.title {
   display: var(--title-display-mode, flex);
   flex-direction: var(--title-flex-direction, row);
   min-height: var(--title-min-height, 3.2em);
   font-size: var(--title-size, 1.5em);
   background-color: var(--title-bg-color, #F1F1F1);
   color: var(--title-color, #666);
```

☆





CSS @apply Rule



■ Secure https://tabatkins.github.io/specs/css-apply-rule/

#### TABLE OF CONTENTS

- 1 Introduction
- **Defining Custom Sets of Properties**
- 2.1 Changes to Custom Property Processing
- 3 Using Custom Sets of Properties: the '@apply' rule
- Processing '@apply' Rules 4
- 5 **CSSOM** 
  - Conformance

#### Index

Terms defined by this specification

Terms defined by reference

#### References

Normative References Informative References

IDL Index

Issues Index

### CSS @apply Rule

A Collection of Interesting Ideas, 18 September 2016

#### This version:

http://tabatkins.github.io/specs/css-apply-rule

#### Issue Tracking:

GitHub

Inline In Spec

#### Editors:

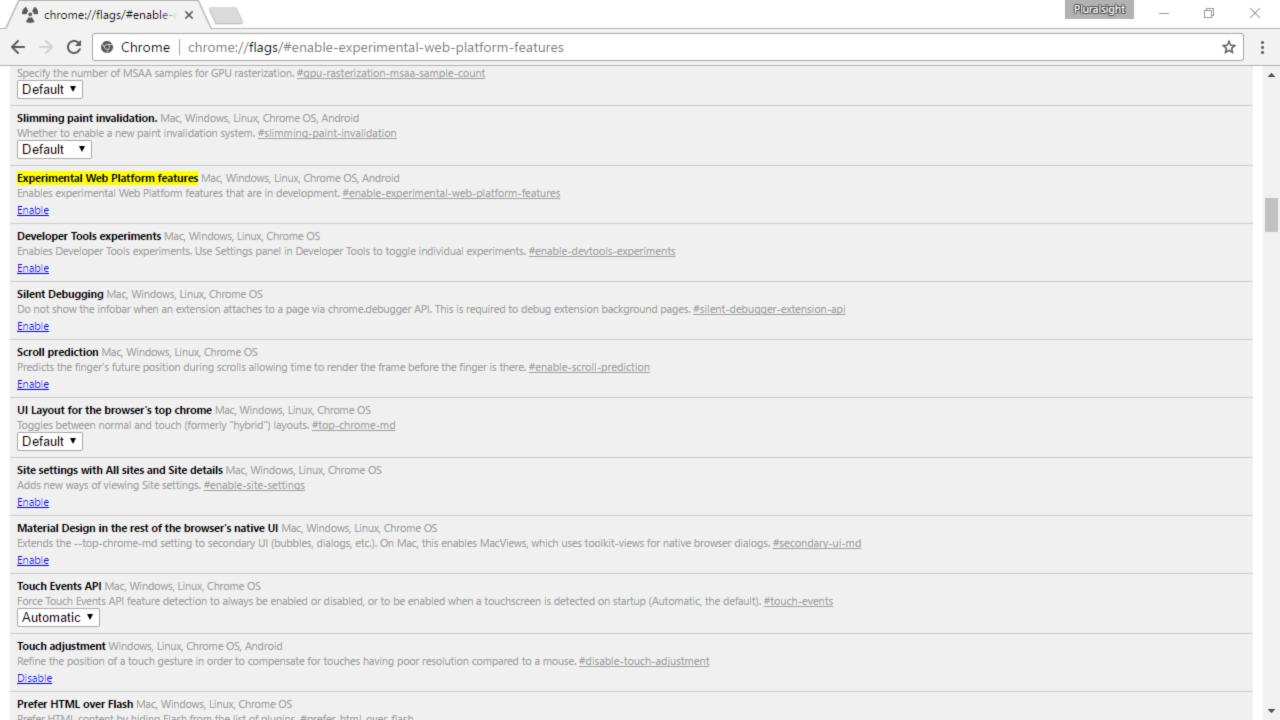
Tab Atkins-Bittner (Google)

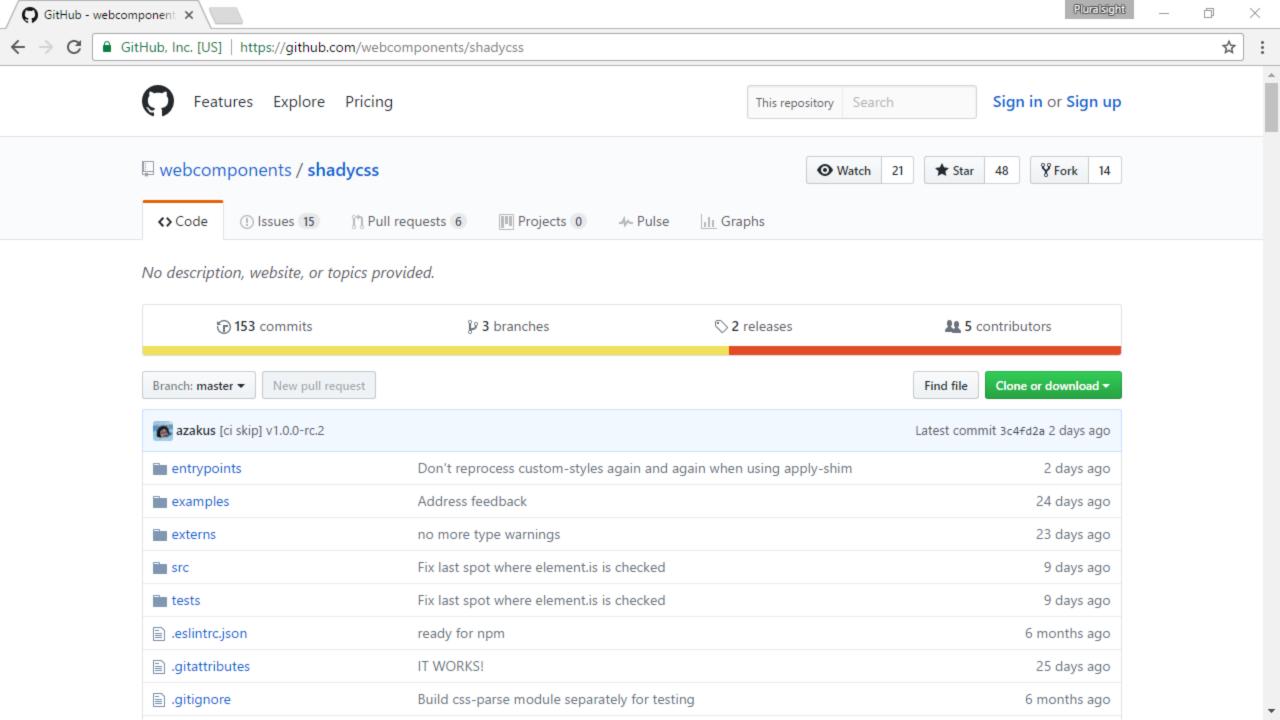
Shane Stephens (Google)

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#### **Abstract**

This specification defines the '@apply' rule, which allows an author to store a set of properties in a named variable, then reference them in other style rules.







Using CSS @apply

Use a CSS mixin within the menu component

Demonstrate how a user can modify multiple properties



# Summary



Introduction to styling Web Components

Allows users to customize components

Learnt about CSS Custom Properties

Included browser support

Created a styling API for two components

Had an introduction to CSS @apply

