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

Demo

CSS Custom Properties

Quick introduction

Overview of browser support

Demo

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

Demo

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

```css
.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

```css
.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/

CSS @apply Rule

A Collection of Interesting Ideas, 18 September 2016

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.

§ 1 Introduction

Specify the number of MSAA samples for GPU rasterization. #gpu-rasterization-msaa-sample-count

Default ▾

Slimming paint invalidation. Mac, Windows, Linux, Chrome OS, Android
Whether to enable a new paint invalidation system. #slimming-paint-invalidation

Default ▾

Experimental Web Platform features Mac, Windows, Linux, Chrome OS, Android
Enables experimental Web Platform features that are in development. #enable-experimental-web-platform-features
Enable

Developer Tools experiments Mac, Windows, Linux, Chrome OS
Enables Developer Tools experiments. Use Settings panel in Developer Tools to toggle individual experiments. #enable-devtools-experiments
Enable

Silent Debugging Mac, Windows, Linux, Chrome OS
Do not show the infobar when an extension attaches to a page via chrome.debugger API. This is required to debug extension background pages. #silent-debugger-extension-api
Enable

Scroll prediction Mac, Windows, Linux, Chrome OS
Predicts the finger's future position during scrolls allowing time to render the frame before the finger is there. #enable-scroll-prediction
Enable

UI Layout for the browser's top chrome Mac, Windows, Linux, Chrome OS
Toggles between normal and touch (formerly "hybrid") layouts. #top-chrome-md

Default ▾

Site settings with All sites and Site details Mac, Windows, Linux, Chrome OS
Adds new ways of viewing Site settings. #enable-site-settings
Enable

Material Design in the rest of the browser's native UI Mac, Windows, Linux, Chrome OS
Extends the --top-chrome-md setting to secondary UI (bubbles, dialogs, etc.). On Mac, this enables MacViews, which uses toolkit-views for native browser dialogs. #secondary-ui-md
Enable

Touch Events API Mac, Windows, Linux, Chrome OS
Force Touch Events API feature detection to always be enabled or disabled, or to be enabled when a touchscreen is detected on startup (Automatic, the default). #touch-events

Automatic ▾

Touch adjustment Windows, Linux, Chrome OS, Android
Refine the position of a touch gesture in order to compensate for touches having poor resolution compared to a mouse. #disable-touch-adjustment
Disable

Prefer HTML over Flash Mac, Windows, Linux, Chrome OS
Prefer HTML content by hiding Flash from the list of plugins. #prefer-html-over-flash

GitHub, Inc. [US] | https://github.com/webcomponents/shadycss

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‹› Code   ⓘ Issues 15   ⑂ Pull requests 6   ▥ Projects 0   ∿ Pulse   ▥ Graphs

No description, website, or topics provided.

⊙ 153 commits   ⑂ 3 branches   🏷 2 releases   👥 5 contributors

Branch: master ▾   New pull request   Find file   Clone or download ▾

azakus [ci skip] v1.0.0-rc.2   Latest commit 3c4fd2a 2 days ago

📁 entrypoints   Don't reprocess custom-styles again and again when using apply-shim   2 days ago
📁 examples   Address feedback   24 days ago
📁 externs   no more type warnings   23 days ago
📁 src   Fix last spot where element.is is checked   9 days ago
📁 tests   Fix last spot where element.is is checked   9 days ago
📄 .eslintrc.json   ready for npm   6 months ago
📄 .gitattributes   IT WORKS!   25 days ago
📄 .gitignore   Build css-parse module separately for testing   6 months ago

Demo

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