#### Consistency in Theming System through

#### Style Dictionary



Apr 2025

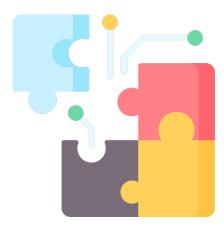
Mohsen Madani

# Why?

**Flexibility** 



Integrity



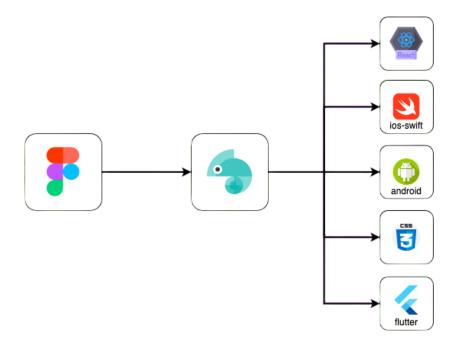
### Style Dictionary



Export your Design Tokens to any platform - iOS, Android,
 CSS, JS, HTML, sketch files, style documentation, or anything you can think of. Forward-compatible with

### Style Dictionary

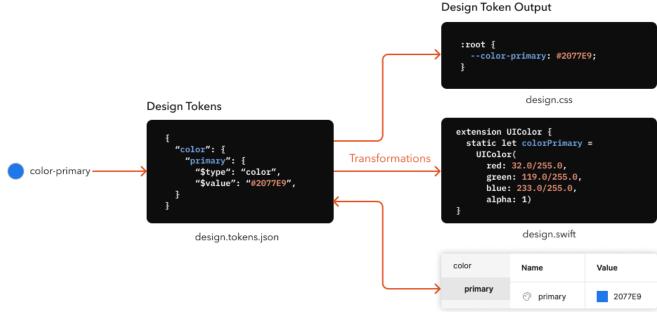






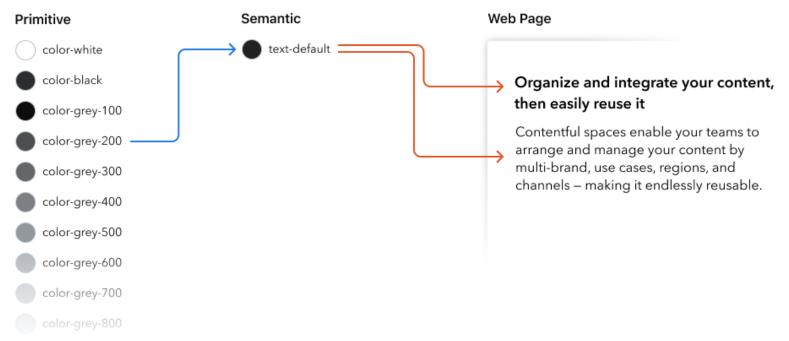




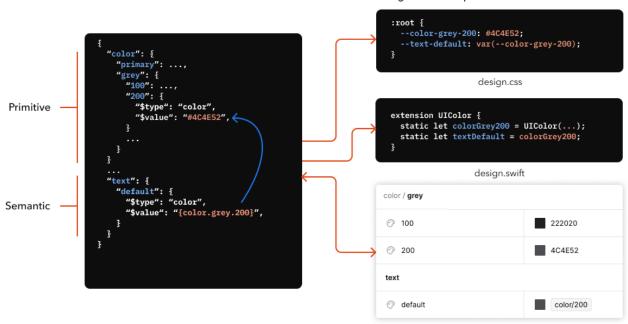


Figma Variables





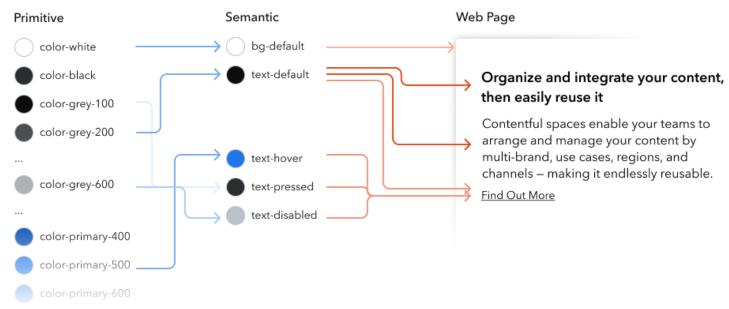


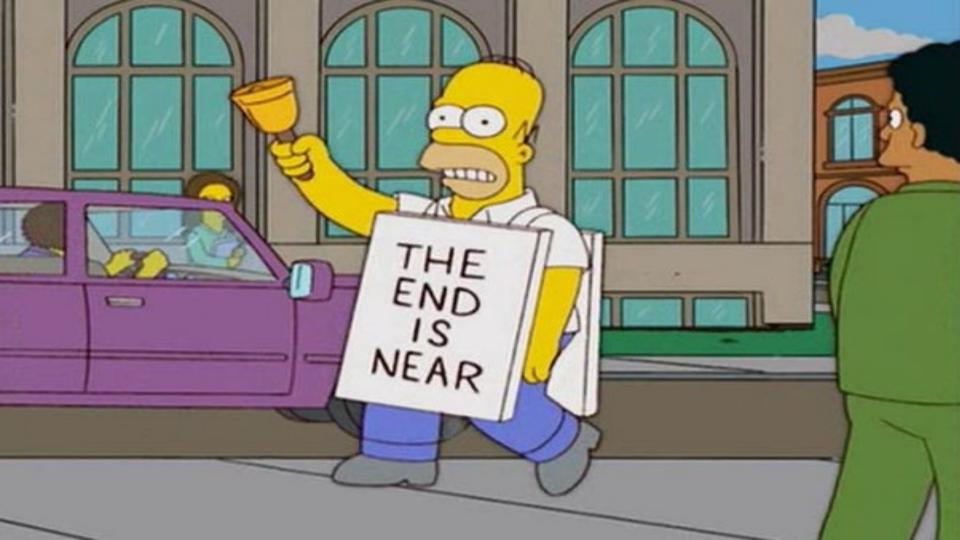


Figma Variables

Design Token Output









```
palette.json
  "palette": {
    "retail": {
      "primary": {
        "0": {
          "value": "#ffffff"
        "100": {
         "value": "#000000"
      "neutral": {...},
      "error": {...},
      "success": {...},
      "warning": {...},
      "informative": {...}
```



```
color.json
   "color": {
     "retail": {
       "primary": {
         "base": {
           "value": "{palette.retail.primary.50}"
           "value": "{palette.retail.primary.0}"
         "container": {
           "value": "{palette.retail.primary.5}"
         "onContainer": {
           "value": "{palette.retail.primary.60}"
       "success": {...},
       "error": {...},
       "warning": {...},
       "informative": {...},
       "onSurface": {...},
       "surface": {...},
     "op": {...}
```



```
variables.scss
$tokens: (
  "light": (
   "color": (
     "retail": (
        "base": #e30613,
         "on": #fff,
         "container": #fce6e7,
         "onContainer": #cf0511
    "font": (
     "retail": (
       "weight": ("bold": 700, "medium": 500, "regular": 400, "light": 300)
   "typography": (
     "retail": (
       "display": ("large": ("font-size": 57px, "line-height": 88px), ...),
  "dark": (...)
```



```
_mixins.scss
                                                                                 SCSS
@mixin themify($themes: variables.$tokens) {
  @each $themeName, $themeMap in $themes {
    .theme-#{$themeName} & {
      // Assign this theme's nested map globally so it's accessible to `@content`
      $theme-map: $themeMap !global;
      // Everything inside @content sees `$theme-map` for lookups
      @content;
      // Clean up the global variable after we're done
      $theme-map: null !global;
```



```
styles.scss

* {
    @include theme.themify {
        // This block is generated once for each .theme-light & .theme-dark, etc.
        color: theme.themed('color', 'retail', 'primary', 'base');
        background-color: theme.themed('color', 'retail', 'primary', 'on');
    }
}
```



```
variables.ts
export const TOKENS = {
 light: {
   color: {
     retail: {
       primary: {
         base: '#e30613',
        on: '#ffffff',
         container: '#fce6e7',
         onContainer: '#cf0511',
       success: {...},
       error: {...},
       warning: {...},
       informative: {...},
       onSurface: {...},
       surface: {...},
       outline: {...},
       onBackground: {...},
     op: {...},
   font: {...},
   typography: {...},
 dark: {...},
} as const;
```

#### Tada!



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		توسعه با ❤ در زریننو (۳۰۰۰۰)		//

#### Q&A

Ask me question if you have any

#### The END

Mohsen Madani





#### References

- Style Dictionary (<u>link</u>)
- Contentful (<u>link</u>)