CSS Colors Module

Introduction

CSS colors have a long and somewhat convoluted history. They may be traced back to the X11 color names of the X Window System.

Purpose

This module allows SVG colors to be used by their names rather than by their RGB or Hex values from within a typst file. It is principlly a convenience for those who use SVG colors in their documents.

Context

Typst comes with seven standard color functions for accessing colors.

For LaTeX users, the standard way of invoking colors would have been something like:

`\usepackage[svgnames]{xcolor}` or `\usepackage[dvipsnames]{xcolor}`.

This would allow files to access *named colors* from within `.tex` documents.

A module that allows named SVG colors to be used within `.typ` files would be a convenience for LaTeX users transitioning to Typst.

Moreover, *any* user who wishes to use SVG named colors would also benefit from this module.

Reference documentation

For easy reference, tabulations of the SVG color name, its RGB/Hex value, a color swatch, and a color stripe are available as

a. PDF and

b. HTML

files.

Usage

svg.(

Notes

The table below is a comparison of the RBG/Hex values of the eighteen predefined colors shipped with Typst and the corresponding SVG colors having the same name:

Color Name	Typst Hex Code	Swatch	SVG Hex Code	Swatch
aqua	rgb("#7fdbff")		rgb("#00ffff")	

Color Name	Typst Hex Code	Swatch	SVG Hex Code	Swatch
black	rgb("#000000")	■	rgb("#000000")	■
blue	rgb("#0074d9")	■	rgb("#0000ff")	■
eastern	rgb("#239dad")	■	N/A	N/A
fuchsia	rgb("#f012be")	■	rgb("#ff00ff")	■
gray	rgb("#aaaaaa")	■	rgb("#808080")	■
green	rgb("#2ecc40")	■	rgb("#008000")	■
lime	rgb("#01ff70")	■	rgb("#00ff00")	■
maroon	rgb("#85144b")	■	rgb("#800000")	■
navy	rgb("#001f3f")	■	rgb("#000080")	■
olive	rgb("#3d9970")	■	rgb("#808000")	■
orange	rgb("#ff851b")	■	rgb("#ffa500")	■
purple	rgb("#b10dc9")	■	rgb("#800080")	■
red	rgb("#ff4136")	■	rgb("#ff0000")	■

Color Name	Typst Hex Code	Swatch	SVG Hex Code	Swatch
silver	rgb("#dddddd")		rgb("#c0c0c0")	
teal	rgb("#39cccc")		rgb("#008080")	
white	rgb("#ffffff")		rgb("#ffffff")	
yellow	rgb("#ffdc00")		rgb("#ffff00")	

References

https://www.youtube.com/watch?v=HmStJQzclHc Alex Sexton: Peachpuffs and Lemonchiffons [CSSConfUS2014]