Switching Page Color Themes in HTML

Before You Begin

This example uses several different color themes from one of my websites. You can use the same structure to create your own themes with your own colors, though I don't guarantee there won't be a bug, since this code is lifted from a much larger context and something may have slipped by me.

For the examples to work together, the theme names must match in the HTML and JavaScript. The CSS variable names must also match between the CSS rules and the JavaScript that updates them.

You can change the colors, add new themes, remove themes you don't need, and rename the buttons to suit your own website.

I recommend experimenting with one or two themes first, then adding more as you become familiar with how everything works.

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Inserting the code for color theme switching is actually a 3 step process. Specific code needs to be put in your CSS style section, your HTML, and at the very bottom in the JavaScript section.

Changing a web page's color theme involves three components:

1. **CSS** defines how the theme-switching buttons look. (You have to start somewhere.)
2. **HTML** creates the buttons and determines where they appear on the page. (CSS can be used in addition to control their exact positioning and appearance.)
3. **JavaScript's** themes OBJECT defines the actual page color palettes, including background, text, panels, accents, and headers. It also does the actual switching in real time.

In short: CSS defines the appearance, HTML provides the controls, and JavaScript makes it all work.

Here's another way of illustrating it:

HTML — User clicks
Mayan Blue button
Calls `setTheme('mayanblue')`

JavaScript — Finds the palette
Gets the background, text, and accent colors
`themes.mayanblue`

JavaScript + CSS — Updates appearance
Updates the background variable used by the CSS
`root.style.setProperty("--bg", t.bg)`

Since a lot of people learn by example, here's the code from one of my websites for switching out page color themes. Be sure to pick your own, complementing colors in whatever theme combination you would like.

Put something like this in your CSS code:

```
.theme-switcher button[data-theme="mayanblue"] {
  background: linear-gradient(135deg, #1FFFF8 0%, #0B5555 100%);
  color: #071C1D;
  border-color: rgba(31,255,248,.65);
  font-weight: 600;
}
```

Code	What it does
`.theme-switcher`	Identifies the container holding the theme buttons.
`button[data-theme="mayanblue"]`	Selects the button assigned to Mayan Blue.
`background: linear-gradient(...)`	Creates a gradient between two colors.
`color`	Sets the button's text color.
`border-color`	Sets the border color.
`font-weight`	Controls how bold the text appears.

Here's what the code on one of my sites looks like:

(Note: The CSS class names in these examples are illustrative. If your website uses different names for its content areas, headers, panels, or footers, modify the selectors to match your own HTML.)

Applying the selected color theme to the Page:

```
/*================================================================
  PAGE COLOR THEMES
  These styles use the colors selected by JavaScript.
================================================================*/

/* Default colors, used before JavaScript applies a theme */

:root {
  --bg: #33121C;
  --bg2: #531724;

  --paper: #141018;
  --paper2: #0E0B12;

  --ink: rgba(255,255,255,.94);
  --ink2: rgba(255,255,255,.76);

  --accent: #FF4A4A;
  --accent2: #FF9A4A;

  --edge: rgba(255,255,255,.18);
  --stroke: rgba(255,255,255,.14);

  --panel: rgba(255,255,255,.06);
  --panel2: rgba(255,255,255,.10);

  --muted: rgba(255,255,255,.72);
  --faint: rgba(255,255,255,.55);

  --header-bg: rgba(20,16,24,.95);
  --header-text: rgba(255,255,255,.96);
  --header-subtext: rgba(255,255,255,.76);
```

```
  --footer-text: rgba(255,255,255,.62);
}

/* General page appearance */

body {
  background: var(--bg);
  color: var(--ink);
}

/* Main content area - assign class="page-content" */

.page-content {
  background: var(--paper);
  color: var(--ink);
  border: 1px solid var(--edge);
}

/* Page headings */

h1, h2, h3 {
  color: var(--ink);
}

/* Links */

a {
  color: var(--accent);
}

a:hover {
  color: var(--accent2);
}

/* Header - assign class="site-header" */

.site-header {
  background: var(--header-bg);
  color: var(--header-text);
  border-bottom: 1px solid var(--edge);
}

/* Header subtitle */

.site-header .subtitle {
```

```
  color: var(--header-subtext);
}

/* Content panels - assign class="panel" */

.panel {
  background: var(--panel);
  border: 1px solid var(--stroke);
  color: var(--ink);
}

/* Secondary text */

.muted {
  color: var(--muted);
}

/* Footer - assign class="site-footer" */

.site-footer {
  color: var(--footer-text);
}

/* Smooth color transitions */

body,
.page-content,
.site-header,
.panel,
.site-footer {
  transition:
    background-color 0.3s ease,
    color 0.3s ease,
    border-color 0.3s ease;
}
```

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How CSS Variables Work

Notice this line of code in the CSS example:

```
background: var(--bg);
```

The `var()` function tells CSS to use the value currently assigned to a particular CSS variable.

In this example:

- `background` identifies the property being changed.
- `var()` tells CSS to look up a variable's value.
- `--bg` is the name of the variable containing the background color.

The actual color is defined elsewhere. Initially, the `:root` section provides a default value:

```
--bg: #33121C;
```

When someone selects a different color theme, JavaScript changes that value using:

```
root.style.setProperty("--bg", t.bg);
```

The browser automatically updates any CSS styles that use `var(--bg)`.

This is the key to the entire system: You don't have to rewrite the CSS for every color theme. You simply change the variables, and the page updates accordingly.

The same principle applies to text colors, borders, accents, panels, and other visual elements.

Appearance of the Buttons:

```
/*============================================================================*/
/*============================================================================*/
/* COLOR THEME SWITCHER: per-theme hover glows */
/*============================================================================ */
/*============================================================================ */

/* ============================================================================
   [05.01] CINEMATIC
   ============================================================================ */
.theme-switcher button[data-theme="cinematic"]:hover{
  box-shadow:
    0 14px 30px rgba(0,0,0,.55),
    0 0 22px rgba(123,220,181,.55),
    0 0 50px rgba(142,209,252,.35);
  filter: brightness(1.08) saturate(1.1);
}
```

```css
/* ================================================================================
   [05.02] TEAL
   ================================================================================ */

.theme-switcher button[data-theme="teal"]:hover{
  box-shadow:
    0 14px 30px rgba(0,0,0,.55),
    0 0 22px rgba(47,164,169,.55),
    0 0 50px rgba(94,201,255,.35);
  filter: brightness(1.08) saturate(1.1);
}

/* ================================================================================
   [05.03] PURPLE
   ================================================================================ */


.theme-switcher button[data-theme="purple"]:hover{
  box-shadow:
    0 14px 30px rgba(0,0,0,.55),
    0 0 22px rgba(185,137,212,.60),
    0 0 50px rgba(207,168,94,.25);
  filter: brightness(1.08) saturate(1.08);
}
.theme-switcher button[data-theme="purple"]{
  background: linear-gradient(135deg, #80549D 0%, #513363 100%);
  border-color: rgba(185,137,212,.55);
}

/*================================================================================
   [05.04] EARTH
  ================================================================================ */

.theme-switcher button[data-theme="earth"]:hover{
  box-shadow:
    0 14px 30px rgba(0,0,0,.45),
    0 0 22px rgba(184,101,53,.55),
    0 0 50px rgba(112,139,105,.35);
  filter: brightness(1.08) saturate(1.10);
}
```

```css
/*=============================================================================
   [05.05] PAPER IVORY
  ============================================================================= */

.theme-switcher button[data-theme="ivory"]:hover{
  box-shadow:
    0 14px 30px rgba(0,0,0,.35),
    0 0 22px rgba(120,90,60,.45),
    0 0 50px rgba(120,90,60,.22);
  filter: brightness(1.05) saturate(1.05);
}

/*=============================================================================
   [05.06] MAYAN BLUE
  ============================================================================= */

.theme-switcher button[data-theme="mayanblue"]{
  background: linear-gradient(135deg, #1FFFF8 0%, #0B5555 100%);
  color: #071C1D;
  border-color: rgba(31,255,248,.65);
  font-weight: 600;
}

.theme-switcher button[data-theme="mayanblue"]:hover{
  box-shadow:
    0 14px 30px rgba(0,0,0,.55),
    0 0 22px rgba(31,255,248,.65),
    0 0 50px rgba(199,155,69,.30);
  filter: brightness(1.08) saturate(1.10);
}

/*=============================================================================
   [05.07] MIDNIGHT TEAL
  ============================================================================= */

   .theme-switcher button[data-theme="midnight"]:hover{
  box-shadow:
    0 14px 30px rgba(0,0,0,.55),
    0 0 22px rgba(47,164,169,.60),
    0 0 50px rgba(142,209,252,.35);
  filter: brightness(1.08) saturate(1.10);
}
```

```css
/*=============================================================================
   [05.08] The buttons look like the theme they control
  ============================================================================= */
.theme-switcher button[data-theme="teal"]{
  background: linear-gradient(135deg, #2FA4A9 0%, #1B6B6E 100%);
  border-color: rgba(47,164,169,.55);
}
.theme-switcher button[data-theme="ivory"]{
  background: linear-gradient(135deg, #F3EBDD 0%, #E7DAC5 100%);
  color: rgba(20,20,20,.88);
  border-color: rgba(120,90,60,.35);
}
.theme-switcher button[data-theme="cinematic"]{
  background: linear-gradient(135deg, #0b0c10 0%, #1b2230 100%);
  color: rgba(255,255,255,.95);
  border: 1px solid rgba(123,220,181,.45);
  box-shadow:
    0 10px 22px rgba(0,0,0,.45),
    0 0 16px rgba(123,220,181,.35);
}
.theme-switcher button[data-theme="purple"]{
  background: linear-gradient(135deg, #80549D 0%, #513363 100%);
  border-color: rgba(185,137,212,.55);
}
.theme-switcher button[data-theme="earth"]{
  background: linear-gradient(135deg, #B86535 0%, #708B69 100%);
  color: rgba(255,255,255,.95);
  border-color: rgba(221,187,130,.55);
}
.theme-switcher button[data-theme="midnight"]{
  background: linear-gradient(135deg, #2FA4A9 0%, #1B6B6E 100%);
  color: rgba(255,255,255,.95);
  border-color: rgba(123,220,181,.55);
}
```

Put something like this in your HTML:

I usually put the code for the buttons in the Footer section.

```
<button type="button"
        data-theme="mayanblue"
        onclick="setTheme('mayanblue')">
  Mayan Blue
</button>
```

Code	What it does
`<button>`	Creates a clickable button.
`type="button"`	Makes it an ordinary button rather than a form submission button.
`data-theme="mayanblue"`	Identifies which theme the button represents.
`onclick="setTheme('mayanblue')"`	Calls the JavaScript function to switch themes.
`Mayan Blue`	The text displayed on the button.

A particularly useful teaching point: `mayanblue` must match the theme name used in JavaScript. But the displayed words, `Mayan Blue`, can be changed independently.

Here's the HTML from one of my sites:

```
<!-- Theme Switcher (Bottom Right) -->
<div class="theme-switcher" aria-label="Theme switcher">
  <button type="button" data-theme="cinematic"
onclick="setTheme('cinematic')">Cinematic</button>
  <button type="button" data-theme="midnight"
onclick="setTheme('midnight')">Midnight Teal</button>
  <button type="button" data-theme="mayanblue"
onclick="setTheme('mayanblue')">Mayan Blue</button>
  <button type="button" data-theme="purple"
onclick="setTheme('purple')">Purple</button>
  <button type="button" data-theme="earth"
onclick="setTheme('earth')">Earth</button>
  <button type="button" data-theme="ivory" onclick="setTheme('ivory')">Paper
Ivory</button>
</div>
```

Put something like this in your JavaScript:

(Note: There's an extra Teal definition in here that isn't used. It's from a prior version of the code, and has a slightly different name than the Teal that is actually in use on the page. It's OK to leave stuff like that in. You never know when you want to come back to it, and it preserves the work of getting that color theme in the first place.)

Code	What it does
`const themes = { ... }`	Stores the available color palettes.
`function applyTheme(themeName)`	Finds the selected palette and applies its values.
`document.documentElement`	Refers to the root HTML element.
`root.style.setProperty(...)`	Changes a CSS custom property to the selected color.
`classList.toggle("is-active", ...)`	Marks the selected button as active.
`function setTheme(themeName)`	Applies the theme and saves the selection.
`localStorage.setItem(...)`	Remembers the user's selection in the browser.
`DOMContentLoaded`	Restores the saved theme when the page loads.

The JavaScript here begins by defining the available color themes, followed by the functions that apply and save the selected theme. Finally, the initialization code restores the user's preferred theme when the page loads.

```
const THEME_KEY = "preferred-theme";

const themes = {
  cinematic: {
    bg:  "#33121C",
    bg2: "#531724",
    paper:  "#141018",
```

```
  paper2: "#0E0B12",
  panel:  "rgba(255,255,255,.06)",
  panel2: "rgba(255,255,255,.10)",
  edge:   "rgba(255,255,255,.18)",
  stroke: "rgba(255,255,255,.14)",
  ink:   "rgba(255,255,255,.94)",
  ink2:  "rgba(255,255,255,.76)",
  muted: "rgba(255,255,255,.72)",
  faint: "rgba(255,255,255,.55)",
  glow1: "rgba(197, 40, 61, .22)",
  glow2: "rgba(255, 150, 80, .18)",
  glow3: "rgba(255,255,255,.06)",
  headerBg: "rgba(20, 16, 24, 0.95)",
  headerTint1: "rgba(197, 40, 61, .16)",
  headerTint2: "rgba(255, 122, 60, .12)",
  headerText: "rgba(255,255,255,0.96)",
  headerSubtext: "rgba(255,255,255,0.76)",
  badgeBg: "rgba(15, 10, 16, 0.70)",
  footerText: "rgba(255,255,255,0.62)",
  accent:  "#FF4A4A",
  accent2: "#FF9A4A",
  btnG1:   "#C8142F",
  btnG2:   "#FF5A2A",
  btnGlow: "rgba(197, 40, 61, .55)",
  btnH1:   "#FF6A2A",
  btnH2:   "#7A0E1E",
  btnHGlow:"rgba(255, 122, 60, .55)"
},

teal: {
  bg:  "#6B3E1E",
  bg2: "#4E2D18",
  glow1: "rgba(47,164,169,.22)",
  glow2: "rgba(210,140,60,.18)",
  glow3: "rgba(255,255,255,.06)",
  paper:  "#1F6C6A",
  paper2: "#174F4D",
  headerBg: "#2A7F7C",
  headerTint1: "rgba(47,164,169,.18)",
  headerTint2: "rgba(0,0,0,.15)",
  headerText: "rgba(255,255,255,.96)",
  headerSubtext: "rgba(220,255,250,.82)",
  panel:  "rgba(255,255,255,.10)",
  panel2: "rgba(255,255,255,.16)",
  edge:   "rgba(220,170,120,.35)",
```

```
  stroke: "rgba(200,150,100,.28)",
  ink:   "rgba(255,255,255,0.96)",
  ink2:  "rgba(235,255,250,0.84)",
  muted: "rgba(220,245,240,0.72)",
  faint: "rgba(220,245,240,0.55)",
  badgeBg: "rgba(31,108,106,0.90)",
  footerText: "rgba(240,220,200,0.75)",
  accent: "#3FB5AE",
  accent2: "#8ED1C8",
  btnG1: "#B87333",
  btnG2: "#7A4E2D",
  btnGlow: "rgba(184,115,51,.45)",
  btnH1: "#D08A3C",
  btnH2: "#8A5428",
  btnHGlow: "rgba(208,138,60,.65)"
},

earth: {
  bg:  "#5A321F",
  bg2: "#2F211A",

  glow1: "rgba(222,151,78,.24)",    // desert sunlight
  glow2: "rgba(112,139,105,.18)",   // muted sage
  glow3: "rgba(244,220,177,.10)",   // sandstone light

  paper:  "#F0D8AC",
  paper2: "#DDBB82",

  panel:  "rgba(91,55,31,.10)",
  panel2: "rgba(91,55,31,.17)",

  edge:   "rgba(86,49,27,.42)",
  stroke: "rgba(86,49,27,.32)",

  ink:   "rgba(47,31,20,.96)",
  ink2:  "rgba(62,42,27,.82)",
  muted: "rgba(77,57,40,.72)",
  faint: "rgba(77,57,40,.54)",

  headerBg: "#3D2920",
  headerTint1: "rgba(222,151,78,.20)",
  headerTint2: "rgba(112,139,105,.18)",

  headerText: "rgba(250,237,211,.97)",
  headerSubtext: "rgba(225,207,175,.80)",
```

```
  badgeBg: "rgba(240,216,172,.92)",
  footerText: "rgba(240,216,172,.72)",

  accent:  "#B65F32",    // burnt terracotta
  accent2: "#708B69",    // desert sage

  btnG1: "#B86535",
  btnG2: "#784128",
  btnGlow: "rgba(184,101,53,.45)",

  btnH1: "#819C78",
  btnH2: "#526B4E",
  btnHGlow: "rgba(112,139,105,.58)"
},

ivory: {
  bg:   "#F1E6D2",
  bg2:  "#E6D4B8",
  paper:"#FFFFFF",
  paper2:"#F7EFDF",
  panel:"rgba(120,90,60,.08)",
  panel2:"rgba(120,90,60,.12)",
  edge:"rgba(120,90,60,.26)",
  stroke:"rgba(120,90,60,.22)",
  ink:"rgba(16,16,16,.92)",
  ink2:"rgba(16,16,16,.74)",
  muted:"rgba(16,16,16,.70)",
  faint:"rgba(16,16,16,.52)",
  headerBg: "rgba(255,255,255,.86)",
  headerTint1:"rgba(47,164,169,.08)",
  headerTint2:"rgba(106,79,179,.06)",
  glow1: "rgba(62,180,185,.18)",
  glow2: "rgba(106,79,179,.12)",
  glow3: "rgba(90,70,50,.10)",
  headerText: "rgba(20,20,20,.92)",
  headerSubtext: "rgba(20,20,20,.65)",
  badgeBg: "rgba(243,235,221,.86)",
  footerText: "rgba(20,20,20,.70)",
  accent: "#2FA4A9",
  accent2: "#6A4FB3",
  text: "rgba(18,18,18,.92)",
  btnG1: "#2FA4A9",
  btnG2: "#1B6B6E",
  btnGlow: "rgba(47,164,169,.45)",
```

```
  btnH1: "#6A4FB3",
  btnH2: "#3A2A70",
  btnHGlow: "rgba(106,79,179,.50)"
},

  mayanblue: {
  bg:  "#071C1D",
  bg2: "#0B292B",

  glow1: "rgba(31,255,248,.18)",
  glow2: "rgba(199,155,69,.13)",
  glow3: "rgba(231,223,197,.08)",

  paper:  "#103638",
  paper2: "#0A292B",

  panel:  "rgba(31,255,248,.07)",
  panel2: "rgba(231,223,197,.10)",

  edge:   "rgba(31,255,248,.28)",
  stroke: "rgba(31,255,248,.20)",

  ink:   "rgba(244,240,227,.96)",
  ink2:  "rgba(231,223,197,.82)",
  muted: "rgba(185,197,189,.78)",
  faint: "rgba(185,197,189,.58)",

  headerBg: "rgba(7,28,29,.96)",
  headerTint1: "rgba(31,255,248,.16)",
  headerTint2: "rgba(199,155,69,.10)",

  headerText: "rgba(244,240,227,.97)",
  headerSubtext: "rgba(185,197,189,.82)",

  badgeBg: "rgba(10,41,43,.88)",
  footerText: "rgba(185,197,189,.72)",

  accent:  "#1FFFF8",
  accent2: "#C79B45",

  btnG1: "#159E9A",
  btnG2: "#0B5555",
  btnGlow: "rgba(31,255,248,.40)",

  btnH1: "#1FFFF8",
```

```
  btnH2: "#147B78",
  btnHGlow: "rgba(31,255,248,.62)"
},

  purple: {
  bg:  "#21152B",
  bg2: "#120D19",

  glow1: "rgba(157,112,190,.20)",
  glow2: "rgba(207,168,94,.12)",
  glow3: "rgba(255,255,255,.05)",

  paper:  "#382348",
  paper2: "#281A35",

  panel:  "rgba(255,255,255,.07)",
  panel2: "rgba(255,255,255,.11)",

  edge:   "rgba(201,174,220,.25)",
  stroke: "rgba(201,174,220,.20)",

  ink:   "rgba(250,245,252,.96)",
  ink2:  "rgba(232,218,239,.82)",
  muted: "rgba(211,192,220,.74)",
  faint: "rgba(211,192,220,.55)",

  headerBg: "rgba(31,19,41,.96)",
  headerTint1: "rgba(157,112,190,.18)",
  headerTint2: "rgba(207,168,94,.08)",

  headerText: "rgba(250,245,252,.97)",
  headerSubtext: "rgba(222,205,230,.78)",

  badgeBg: "rgba(45,27,59,.88)",
  footerText: "rgba(211,192,220,.68)",

  accent:  "#B989D4",
  accent2: "#CFA85E",

  btnG1: "#80549D",
  btnG2: "#513363",
  btnGlow: "rgba(185,137,212,.38)",

  btnH1: "#A972C7",
  btnH2: "#6B4381",
```

```
    btnHGlow: "rgba(185,137,212,.58)"
  },
    midnight: {
    bg:  "#0B0C10",
    bg2: "#12151D",

    glow1: "rgba(123,220,181,.18)",
    glow2: "rgba(142,209,252,.14)",
    glow3: "rgba(255,255,255,.07)",

    paper:  "#111418",
    paper2: "#161B22",

    panel:  "rgba(255,255,255,.06)",
    panel2: "rgba(255,255,255,.09)",

    edge:   "rgba(255,255,255,.16)",
    stroke: "rgba(255,255,255,.14)",

    ink:   "rgba(255,255,255,.94)",
    ink2:  "rgba(255,255,255,.74)",
    muted: "rgba(255,255,255,.70)",
    faint: "rgba(255,255,255,.50)",

    headerBg: "rgba(15,17,22,.92)",
    headerTint1: "rgba(47,164,169,.18)",
    headerTint2: "rgba(106,79,179,.14)",

    headerText: "rgba(255,255,255,.95)",
    headerSubtext: "rgba(255,255,255,.75)",

    badgeBg: "rgba(10,10,12,.55)",
    footerText: "rgba(255,255,255,.55)",

    accent:  "#7BDCB5",
    accent2: "#8ED1FC",

    btnG1: "#2FA4A9",
    btnG2: "#1B6B6E",
    btnGlow: "rgba(47,164,169,.55)",

    btnH1: "#6A4FB3",
    btnH2: "#3A2A70",
    btnHGlow: "rgba(106,79,179,.75)",
  },
```

```
};

function applyTheme(themeName) {
  const t = themes[themeName] || themes.cinematic;
  const root = document.documentElement;

  root.style.setProperty("--bg", t.bg);
  root.style.setProperty("--bg2", t.bg2);

  root.style.setProperty("--bg-glow1", t.glow1 || "rgba(0,0,0,0)");
  root.style.setProperty("--bg-glow2", t.glow2 || "rgba(0,0,0,0)");
  root.style.setProperty("--bg-glow3", t.glow3 || "rgba(0,0,0,0)");

  root.style.setProperty("--ink", t.ink);
  root.style.setProperty("--ink2", t.ink2);
  root.style.setProperty("--edge", t.edge);

  root.style.setProperty("--paper", t.paper);
  root.style.setProperty("--paper2", t.paper2);

  root.style.setProperty("--accent", t.accent);
  root.style.setProperty("--accent2", t.accent2);

  root.style.setProperty("--btn-g1", t.btnG1);
  root.style.setProperty("--btn-g2", t.btnG2);
  root.style.setProperty("--btn-glow", t.btnGlow);
  root.style.setProperty("--btn-h1", t.btnH1);
  root.style.setProperty("--btn-h2", t.btnH2);
  root.style.setProperty("--btn-hglow", t.btnHGlow);

  root.style.setProperty("--muted", t.muted || t.ink2);
  root.style.setProperty("--faint", t.faint || t.ink2);

  root.style.setProperty("--stroke", t.stroke || t.edge);
  root.style.setProperty("--panel", t.panel || "rgba(255,255,255,.06)");
  root.style.setProperty("--panel2", t.panel2 || "rgba(255,255,255,.09)");

  root.style.setProperty(
    "--header-bg",
    t.headerBg || "rgba(15,17,22,.92)"
  );

  root.style.setProperty(
    "--header-tint1",
    t.headerTint1 || "rgba(47,164,169,.18)"
```

```
);


root.style.setProperty(
  "--header-tint2",
  t.headerTint2 || "rgba(106,79,179,.14)"
);

root.style.setProperty(
  "--header-text",
  t.headerText || "rgba(255,255,255,.95)"
);

root.style.setProperty(
  "--header-subtext",
  t.headerSubtext || "rgba(255,255,255,.75)"
);

root.style.setProperty(
  "--badge-bg",
  t.badgeBg || "rgba(10,10,12,.55)"
);

root.style.setProperty(
  "--footer-text",
  t.footerText || "rgba(255,255,255,.55)"
);

root.style.setProperty("--text", t.text || t.ink);


// Mark the selected theme button as active.
// This works with BOTH:
// 1. the normal floating theme switcher
// 2. the horizontal buttons on Digital Portfolio

document.querySelectorAll(
  ".theme-switcher button[data-theme], " +
  ".portfolio-theme-buttons button[data-theme]"
).forEach((btn) => {
  btn.classList.toggle(
    "is-active",
    btn.dataset.theme === themeName
  );
});
```

```
}

function setTheme(themeName) {
  applyTheme(themeName);
  localStorage.setItem(THEME_KEY, themeName);
}

// Initialize
document.addEventListener("DOMContentLoaded", () => {
  const saved = localStorage.getItem(THEME_KEY) || "cinematic";
  applyTheme(saved);
});
```

Putting It All Together

Once you've added the CSS, HTML, and JavaScript to your page, you're ready to try switching color themes!

Click a theme button to change the appearance of your page. The JavaScript selects the appropriate color values, updates the CSS variables, and saves your selection so the same theme can be restored when you return to the website.

Experiment with different colors, create your own themes, and make the design your own.

Remember: The best way to learn programming is often to start with something that works, change one thing at a time, and see what happens!

Happy Coding! =)

- Sandra Wolff