**🎨 Step-by-Step Guide: How to Change the Background**

**Step 1: Locate the CSS Section**

1. Open your file: [enhanced\_saudi\_app\_v2.py](vscode-file://vscode-app/c:/Users/raed1/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-browser/workbench/workbench.html)
2. Find line **132** where it says: [st.markdown("""](vscode-file://vscode-app/c:/Users/raed1/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-browser/workbench/workbench.html" \o ")
3. This section (lines 132-304) contains all the styling code

**Step 2: Understanding the Current Background**

Currently, your app has several background elements:

* **Main app background**: Default Streamlit white
* **Header background**: Green gradient (#00C851 to #007E33)
* **Sidebar background**: Light gray gradient (#f8f9fa to #e9ecef)

**Step 3: Add a Main Background Color**

**Option A: Solid Color Background** Add this CSS rule **INSIDE** the <style> section (around line 140):

|  |
| --- |
| /\* Main app background \*/  .stApp {  background-color: #f0f2f6; /\* Light gray-blue \*/  } |

**Option B: Gradient Background** Replace the above with:

|  |
| --- |
| /\* Main app background with gradient \*/  .stApp {  background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);  } |

**Step 4: Popular Background Options**

**🌟 Saudi Theme (Green & White):**

|  |
| --- |
| .stApp {  background: linear-gradient(135deg, #00C851 0%, #ffffff 50%, #00C851 100%);  } |

**🌊 Ocean Theme:**

|  |
| --- |
| .stApp {  background: linear-gradient(135deg, #2196F3 0%, #21CBF3 100%);  } |

**🌅 Sunset Theme:**

|  |
| --- |
| **.stApp {**  **background: linear-gradient(135deg, #ff9a9e 0%, #fecfef 50%, #fecfef 100%);**  **}** |

**⚫ Dark Theme:**

|  |
| --- |
| **.stApp {**  **background: linear-gradient(135deg, #1a1a1a 0%, #2d2d2d 100%);**  **color: white;**  **}** |

**Step 5: How to Apply the Changes**

1. **Find the insertion point: Look for line ~140 in the CSS section**
2. **Add your chosen background code right after the \* { font-family: 'Inter', sans-serif; } line**
3. **Save the file (Ctrl+S)**
4. **Restart your app to see changes**

**Step 6: Example - Adding a Simple Blue Background**

**Find this part in your code (around line 140):**

**🎨 Line Color Customization Locations:**

**Line 2337 - Portfolio Line Color:**

**Line 2345 - TASI Index Line Color:**

**🌈 Popular Color Options:**

Let me show you some great color combinations you can use:

enhanced\_saudi\_app\_v2.py**+2-2**

I've changed the colors to a professional blue and orange combination. Here are your options:

**🎨 Color Options You Can Use:**

**Professional Combinations:**

**To Change Colors:**

1. **Open** the file: [enhanced\_saudi\_app\_v2.py](vscode-file://vscode-app/c:/Users/raed1/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-browser/workbench/workbench.html)
2. **Go to** lines 2333 and 2341
3. **Replace** the color codes:
   * **Line 2333**: [color='#1f77b4'](vscode-file://vscode-app/c:/Users/raed1/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-browser/workbench/workbench.html) ← Portfolio line
   * **Line 2341**: [color='#ff7f0e'](vscode-file://vscode-app/c:/Users/raed1/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-browser/workbench/workbench.html) ← TASI line

**Additional Customizations You Can Make:**

the common ways to find and use color codes:

**Color Code Formats:**

**1. Hexadecimal Colors (Most Common)**

* **Format**: #RRGGBB (Red, Green, Blue values in hex)
* **White**: #ffffff or #fff (shorthand)
* **Black**: #000000 or #000
* **Red**: #ff0000 or #f00
* **Green**: #00ff00 or #0f0
* **Blue**: #0000ff or #00f

**2. RGB Colors**

* **Format**: rgb(red, green, blue) (0-255 values)
* **White**: rgb(255, 255, 255)
* **Black**: rgb(0, 0, 0)
* **Red**: rgb(255, 0, 0)

**3. RGBA Colors (with transparency)**

* **Format**: rgba(red, green, blue, alpha) (alpha: 0-1)
* **Semi-transparent white**: rgba(255, 255, 255, 0.5)

**Popular Color Codes:**

**Basic Colors:**

#ffffff /\* White \*/

#000000 /\* Black \*/

#ff0000 /\* Red \*/

#00ff00 /\* Green \*/

#0000ff /\* Blue \*/

#ffff00 /\* Yellow \*/

#ff00ff /\* Magenta \*/

#00ffff /\* Cyan \*/

**Professional UI Colors:**

#1e293b /\* Dark Slate (used in our app) \*/

#374151 /\* Gray 700 \*/

#6b7280 /\* Gray 500 \*/

#9ca3af /\* Gray 400 \*/

#d1d5db /\* Gray 300 \*/

#f3f4f6 /\* Gray 100 \*/

**Purple Shades (like our tables):**

#9333ea /\* Purple 600 \*/

#7c3aed /\* Purple 700 \*/

#8b5cf6 /\* Purple 500 \*/

#a855f7 /\* Purple 400 \*/

#c084fc /\* Purple 300 \*/

**Green Shades (like our header):**

#00ce4c /\* Bright Green (our main color) \*/

#00b142 /\* Darker Green \*/

#009e38 /\* Even Darker Green \*/

#16a34a /\* Green 600 \*/

#15803d /\* Green 700 \*/

**Tools to Find Color Codes:**

**1. Online Color Pickers:**

* **Google Color Picker**: Search "color picker" on Google
* **Adobe Color**: [https://color.adobe.com/](vscode-file://vscode-app/c:/Users/raed1/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-browser/workbench/workbench.html)
* **Coolors.co**: [https://coolors.co/](vscode-file://vscode-app/c:/Users/raed1/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-browser/workbench/workbench.html)
* **ColorHunt**: [https://colorhunt.co/](vscode-file://vscode-app/c:/Users/raed1/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-browser/workbench/workbench.html)

**2. Browser Developer Tools:**

1. Right-click any element → "Inspect"
2. In the Styles panel, click on any color square
3. Browser opens a color picker with hex/rgb values

**3. VS Code Extensions:**

* **Color Highlight**: Shows color previews in your code
* **Color Picker**: Right-click to pick colors

**4. Design Tools:**

* **Figma**: Free design tool with color picker
* **Canva**: Has color palette generators

**Color Name References:**

**CSS Named Colors:**

* white /\* #ffffff \*/
* black /\* #000000 \*/
* red /\* #ff0000 \*/
* blue /\* #0000ff \*/
* green /\* #008000 \*/
* yellow /\* #ffff00 \*/
* orange /\* #ffa500 \*/
* purple /\* #800080 \*/
* pink /\* #ffc0cb \*/
* gray /\* #808080 \*/
* silver /\* #c0c0c0 \*/
* gold /\* #ffd700 \*/

**Quick Color Conversion:**

**Hex to RGB:**

* #ff0000 = rgb(255, 0, 0)
* Each pair: ff = 255, 00 = 0

**RGB to Hex:**

* rgb(255, 0, 0) = #ff0000
* Convert each number to hex (0-255 → 00-ff)

**Professional Color Palettes:**

**Dark Theme (like our app):**

/\* Backgrounds \*/

#0f1419 /\* Very Dark \*/

#1e293b /\* Dark Slate \*/

#374151 /\* Medium Dark \*/

/\* Text \*/

#ffffff /\* White text \*/

#e5e7eb /\* Light gray text \*/

#9ca3af /\* Muted text \*/

/\* Accents \*/

#00ce4c /\* Success/Primary \*/

#ef4444 /\* Error/Danger \*/

#f59e0b /\* Warning \*/

#06b6d4 /\* Info \*/

**Example Usage in CSS:**

.my-element {

background-color: #1e293b; /\* Dark background \*/

color: #ffffff; /\* White text \*/

border: 1px solid #374151; /\* Gray border \*/

}

.button-primary {

background: linear-gradient(135deg, #00ce4c 0%, #00b142 100%);

color: #ffffff;

}

.text-muted {

color: #9ca3af; /\* Gray text \*/

}

Would you like me to show you how to change specific colors in our app, or help you find colors for a particular element?