Different types of colour blindness and its suitable color palettes

You can go to this link
https://coolors.co/003049-d62828-f77f00-fcbf49-eae2b7 for the used color here. The color blindness categories colors palattes are depend on original colour you choose. If you want to change for other palettes, Click on the Space bar in you computer.Click on this icon 👓, to select different colour blindness categories.

Original Palette
- firstLevelElements: #003049 (Dark blue)
- secondLevelElements: #D62828 (Red)
- thirdLevelElements: #F77F00 (Orange)
- fourthLevelElements: #FCBF49 (Yellow)
- background: #EAE287 (Pale yellow)

1) Red-Green Color Blindness

(Normal colour vs colour blindness)

Deuteranomaly Theme

003049	D62828	F77F00	FCBF49	EAE2B7
092345	B35420	DF9D12	EFCE59	E8E4BD

Chatbot.ai Create your own ChatGPT chatbot trained with your data from any file or website.

- firstLevelElements: #0084B4 (Blue-green)
- secondLevelElements: #E66E00 (Orange)
- thirdLevelElements: #F4F4F4 (Light gray background)
- fourthLevelElements: #333333 (Dark gray for text)
- background: #FFFFFF (White background)
- secondaryBackground: #ECECEC (Light gray secondary background)
- tableAccent: #2D72C1 (Dark blue accent color)

Deuteranopia Theme

- firstLevelElements: #0078A3 (Light blue)
- secondLevelElements: #FF5146 (Red)
- thirdLevelElements: #F4F4F4 (Light gray background)
- fourthLevelElements: #333333 (Dark gray for text)
- background: #FFFFFF (White background)
- secondaryBackground: #ECECEC (Light gray secondary background)
- tableAccent: #2D72C1 (Dark blue accent color)

Protanomaly Theme

- firstLevelElements: #082045 (Dark blue)
- secondLevelElements: #866128 (Olive green)
- thirdLevelElements: #E1A60F (Yellow)
- fourthLevelElements: #F0D357 (Light yellow)
- background: #E8E48C (Pale yellow)
- secondaryBackground: #F4F4F4 (Light gray secondary background)
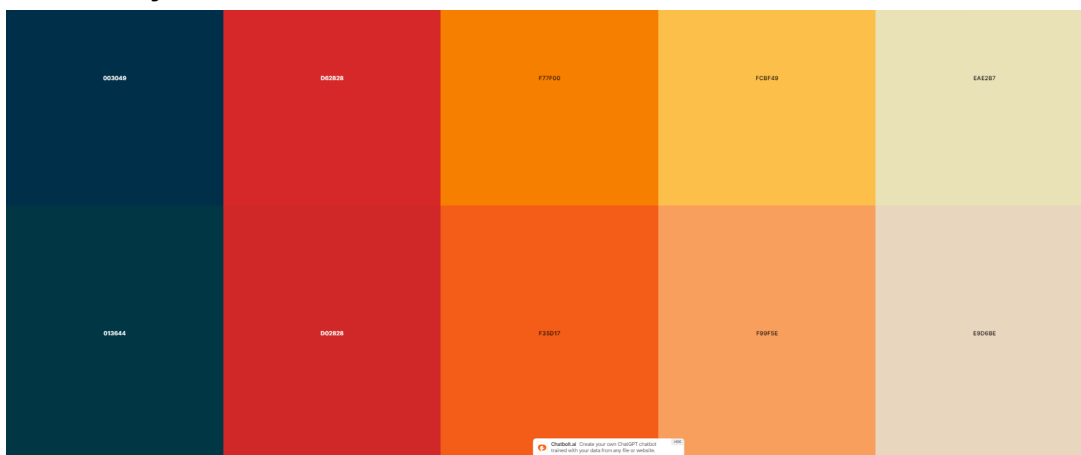- tableAccent: #FF3333 (Red accent color)

Protanopia Theme

- firstLevelElements: #141542 (Dark blue)
- secondLevelElements: #8A8928 (Olive green)
- thirdLevelElements: #C3C11E (Yellow)
- fourthLevelElements: #E1E165 (Light yellow)
- background: #E6E6C1 (Pale yellow)
- secondaryBackground: #F4F4F4 (Light gray secondary background)
- tableAccent: #FF3333 (Red accent color)

2) Blue-Yellow Color Blindness

Tritanomaly Theme

- firstLevelElements: #013644 (Dark blue-green)
- secondLevelElements: #D02828 (Red)
- thirdLevelElements: #F35D17 (Orange)
- fourthLevelElements: #F99F5E (Light orange)
- background: #E9D6BE (Pale beige)
- secondaryBackground: #F4F4F4 (Light gray secondary background)
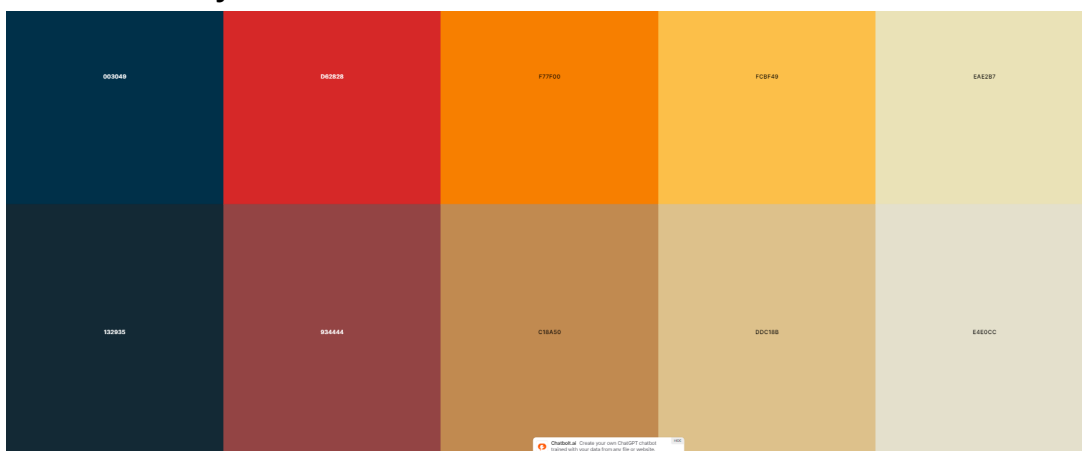- tableAccent: #33A5FF (Light blue accent color)

Tritanopia Theme

- firstLevelElements: #023E3D (Dark teal)
- secondLevelElements: #CD2828 (Red)
- thirdLevelElements: #F0363C (Reddish-orange)
- fourthLevelElements: #F87C81 (Light pink)
- background: #E9C9CB (Pale pink)
- secondaryBackground: #F4F4F4 (Light gray secondary background)
- tableAccent: #33A5FF (Light blue accent color)
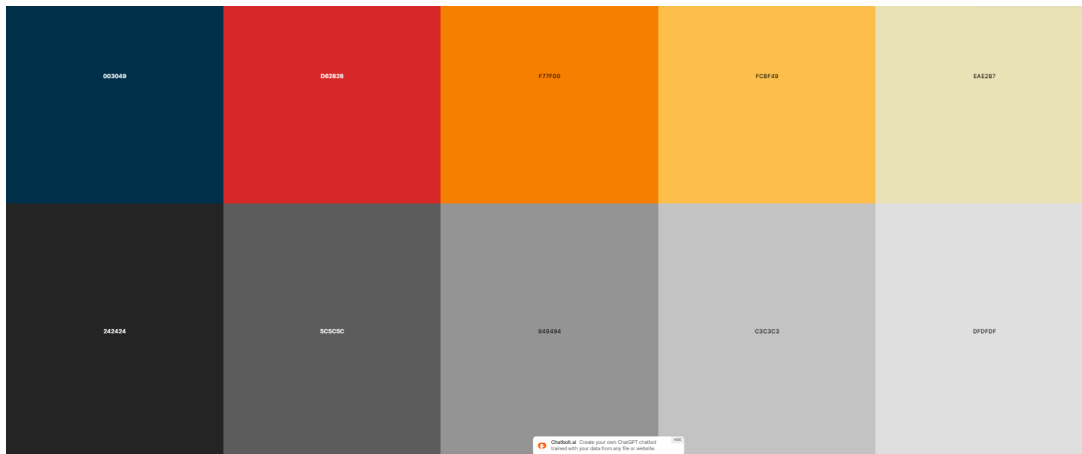
3) Total Color Blindness

Achromatomaly Theme

- firstLevelElements: #132935 (Dark blue)
- secondLevelElements: #934444 (Reddish-brown)

- thirdLevelElements: #C18A50 (Light brown)
- fourthLevelElements: #DDC18B (Light beige)
- background: #EAEOCC (Pale yellow)
- secondaryBackground: #F4F4F4 (Light gray secondary background)
- tableAccent: #666666 (Gray accent color)

Achromatopsia Theme

- firstLevelElements: #242424 (Dark gray)
- secondLevelElements: #5C5C5C (Gray)
- thirdLevelElements: #949494 (Light gray)
- fourthLevelElements: #C3C3C3 (Unknown color, possibly an error)
- background: #DFDFDF (Light gray)
- secondaryBackground: #F4F4F4 (Light gray secondary background)
- tableAccent: #666666 (Gray accent color)