

# Color Theory and Accessibility

Choosing the Right Color Palette for Inclusive Visualization

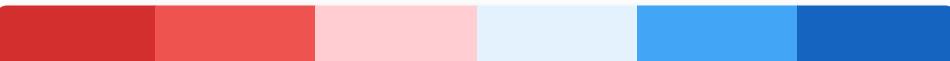
## S Sequential

Single hue, varying lightness (temperatures)



## D Diverging

Two hues meeting at neutral (gains/losses)



## C Categorical

Distinct hues for different categories



~8%

of males have color vision deficiency

## ⚠️ Accessibility Guidelines

- Avoid red-green combinations
- Use [ColorBrewer](#) or [Viridis](#) palettes
- Add [texture/patterns](#) as redundant encoding
- Test with [color blindness simulators](#)

## ✓ Color Contrast Examples

Good Contrast  
WCAG AAA

Poor Contrast  
Avoid

Blue-Orange  
Safe

Red-Green  
Unsafe