# **COLOR CONTRAST CHECKER**

### WEB CONTENT ACCESSIBILITY GUIDELINES (WCAG) 2.1

Organized under four principles, WCAG 2.1 are 12-13 updated technical guidelines that aim to "make web content more accessible to people with disabilities" (WAI, 2021).

#### **Contrast Checker**

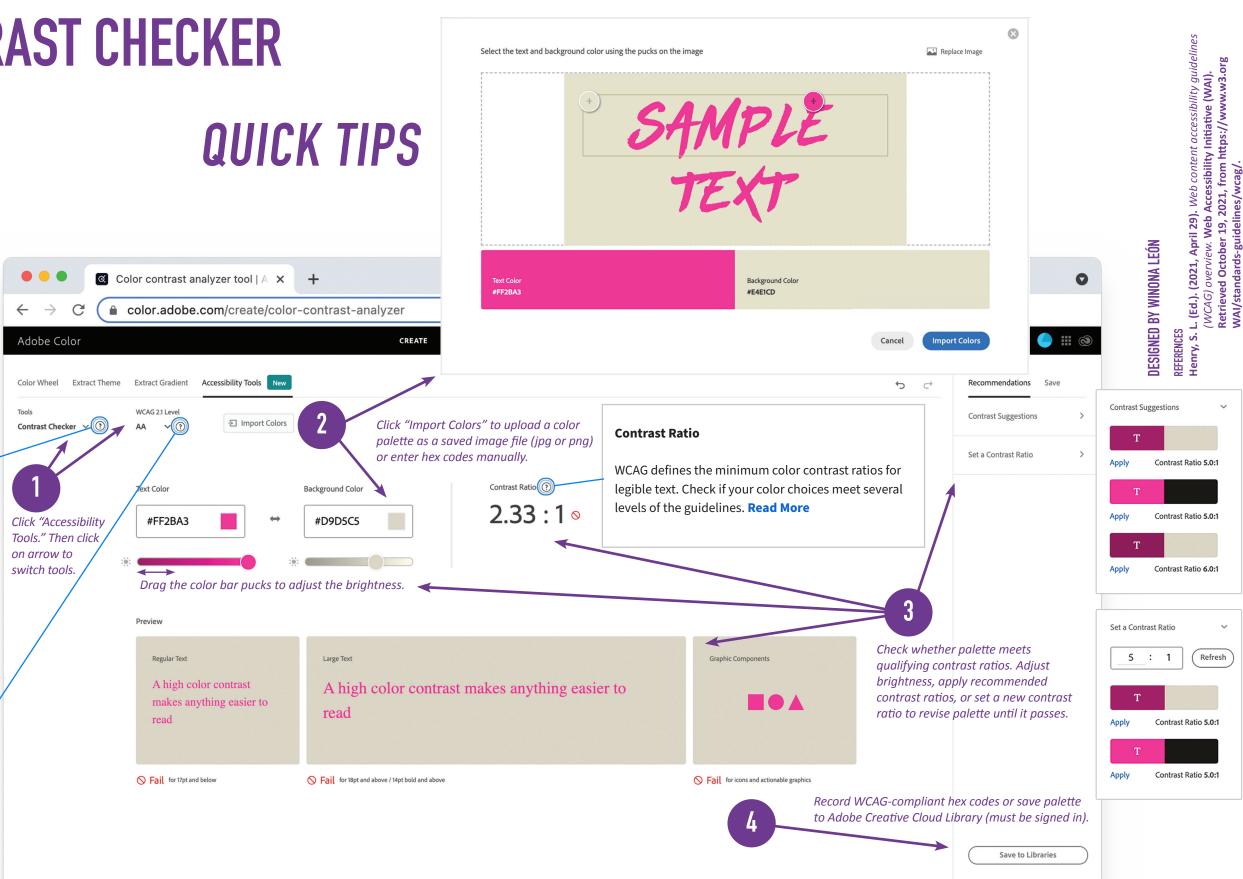
Ensure your color choices are visually accessible by checking the contrast ratio of your background and text colors.

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#### **WCAG Accessibility Criteria**

Large Text refers to 18 pt and above for regular font-weight, or 14 pt and above for bold font-weight. For AAA, the qualifying ratio is 4:5:1. For AA, the qualifying ratio is 3:1.

Regular Text refers to 17 pt and below for regular font-weight, or 13 pt and below for bold font-weight. For AAA, the qualifying ratio is 7:1. For AA, the qualifying ratio is 4:5:1. **Read More** 



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## **COLOR BLIND SAFE CHECKER**

### **QUICK TIPS**

#### **COLOR BLIND DEFINITIONS**

**Deuteranopia**: a color blindness that results in "the inability to distinguish red and green pigments" (Cherney, 2020)

**Protanopia:** a color blindness that results in a spectrum "seen in tones of yellow and blue" with confusion of red and green" (Lockett, 2020)

**Tritanopia:** a color blindness that results in the inabilities to "differentiate between colors with attributes of blue and yellow, such as green, purple, red, and pink" (Lockett, 2020)

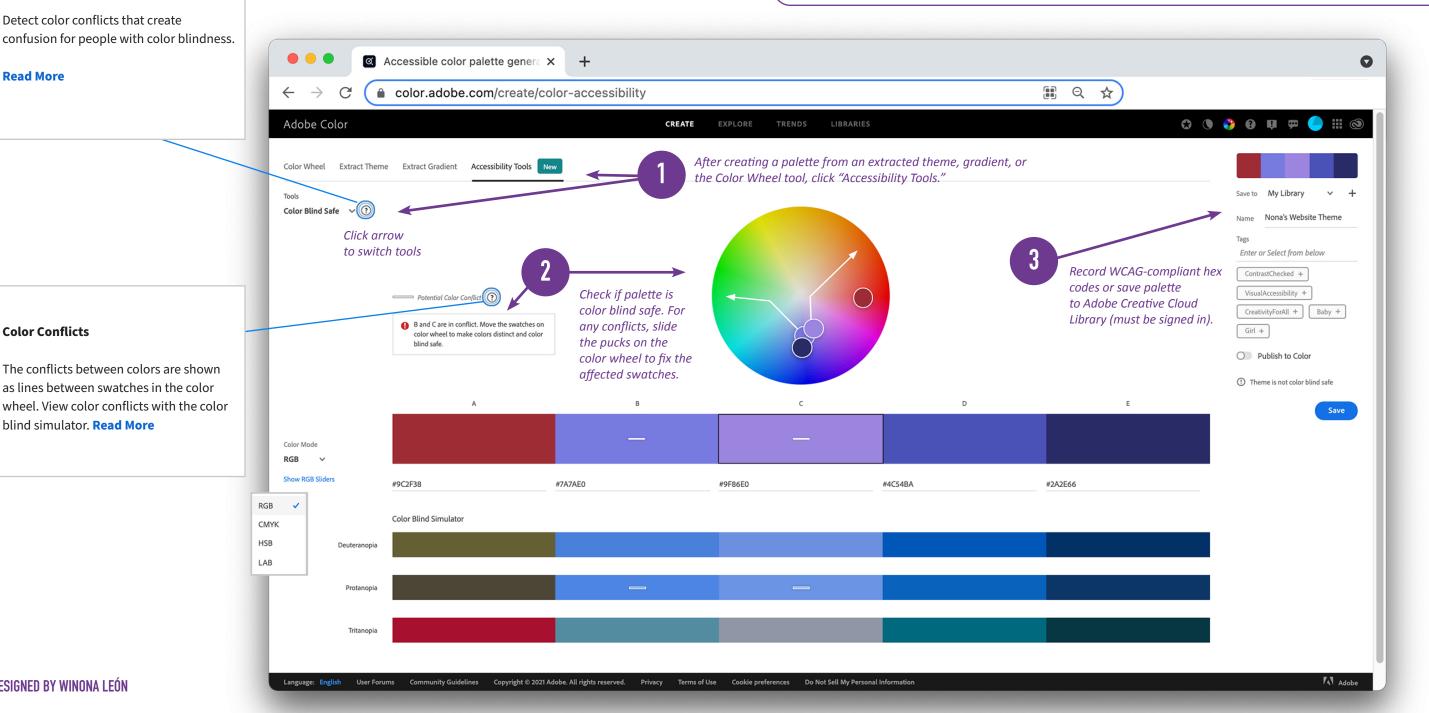
### **Color Conflicts**

**Color Blind Safe** 

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Detect color conflicts that create

The conflicts between colors are shown as lines between swatches in the color wheel. View color conflicts with the color blind simulator. Read More



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