



Contrast Checker

Foreground Color

Lightness


↔

Background Color

Lightness


Contrast Ratio
16.82:1
[permalink](#)

Normal Text

WCAG AA: **Pass**

WCAG AAA: **Pass**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Pass**

WCAG AAA: **Pass**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Pass**

✓
Text Input

Explanation

Enter a foreground and background color in RGB hexadecimal format (e.g., #FD3 or #F7DA39) or choose a color using the color picker. The Lightness slider can be used to adjust the selected color.

WCAG 2.0 level AA requires a contrast ratio of at least 4.5:1 for normal text and 3:1 for large text. WCAG 2.1 requires a contrast ratio of at least 3:1 for graphics and user interface components (such as form input borders). WCAG Level AAA requires a contrast ratio of at least 7:1 for normal text and 4.5:1 for large text.

Large text is defined as 14 point (typically 18.66px) and bold or larger, or 18 point (typically 24px) or larger.

Hint: [Colorzilla](#) is an excellent tool for extracting the color value from any page element. Additionally, [WAVE](#) can analyze contrast ratios for all page text elements at once.

Use [our link contrast checker](#) to evaluate links that are identified using color alone.

New!

This tool also functions as a basic API. Simply append &api to any [permalink](#) to get a JSON object with the contrast ratio and the AA/AAA pass/fail states. For example:
<https://webaim.org/resources/contrastchecker/?fcolor=181616&bcolor=F7F7F7&api>.