

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

Hex(FFFFFF) Hex(FFFFFF5) Hex(FFF8D8) Hex(FFDCBC) Hex(FFBFA1) Hex(FFA487) Hex(E1896E) Hex(C36F55) Hex(A6563D)

Hex(FFFFFF)	Ratio: 1.01 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴
Hex(FFFFFF5)	Ratio: 1.01 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴
Hex(FFF8D8)	Ratio: 1.07 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴
Hex(FFDCBC)	Ratio: 1.30 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.03 AA 18pt ²
Hex(FFBFA1)	Ratio: 1.59 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 3.29 AA 18pt ²
Hex(FFA487)	Ratio: 1.92 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(E1896E)	Ratio: 2.62 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵
Hex(C36F55)	Ratio: 3.67 AA 18pt ²	Ratio: 3.65 AA 18pt ²	Ratio: 3.44 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(A6563D)	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 3.29 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Failed to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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