

Converting Colors - WCAG Matrix

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

	Hex(CF2929)	Hex(EF4940)	Hex(FF6758)	Hex(FF8370)	Hex(FFA08A)	Hex(FFBDA5)	Hex(FFDAC0)	Hex(FFF8DC)	Hex(FFFFF9)	Hex(FFFFFF)
Hex(CF2929)		Ratio: 1.42 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 4.01 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 5.25 AA ¹ AAA 18pt ⁴
Hex(EF4940)	Ratio: 1.42 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 3.67 AA 18pt ²	Ratio: 3.69 AA 18pt ²
Hex(FF6758)	Ratio: 1.83 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 2.86 Failed ⁵
Hex(FF8370)	Ratio: 2.18 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.40 Failed ⁵
Hex(FFA08A)	Ratio: 2.66 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.97 Failed ⁵
Hex(FFBDA5)	Ratio: 3.27 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(FFDAC0)	Ratio: 4.01 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(FFF8DC)	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.07 Failed ⁵
Hex(FFFFF9)	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 3.67 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(FFFFFF)	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.00 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

Fails 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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