

Converting Colors - WCAG Matrix

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

	Hex(C54D14)	Hex(FFFFFF)	Hex(FF8247)	Hex(FF9D60)	Hex(FFB97A)	Hex(FFD595)	Hex(FFF2B0)	Hex(FFFFCC)	Hex(FFFE8)
Hex(C54D14)		Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 1.92 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.18 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 4.66 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 4.72 AA ¹ AAA 18pt ⁴		Ratio: 2.46 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(FF8247)	Ratio: 1.92 Failed ⁵	Ratio: 2.46 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(FF9D60)	Ratio: 2.30 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.02 Failed ⁵
Hex(FFB97A)	Ratio: 2.81 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(FFD595)	Ratio: 3.42 AA 18pt ²	Ratio: 1.38 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(FFF2B0)	Ratio: 4.18 AA 18pt ²	Ratio: 1.13 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(FFFFCC)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFE8)	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.01 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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