

Converting Colors - WCAG Matrix

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

	Hex(C73214)	Hex(FFFFFF)	Hex(FF6B44)	Hex(FF875D)	Hex(FFA376)	Hex(FFBF91)	Hex(FFDCAC)	Hex(FFFAC7)	Hex(FFFE4)
Hex(C73214)		Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 1.91 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 4.13 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 5.31 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.39 AA ¹ AAA 18pt ⁴		Ratio: 2.82 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(FF6B44)	Ratio: 1.91 Failed ⁵	Ratio: 2.82 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(FF875D)	Ratio: 2.28 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(FFA376)	Ratio: 2.76 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(FFBF91)	Ratio: 3.37 AA 18pt ²	Ratio: 1.60 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(FFDCAC)	Ratio: 4.13 AA 18pt ²	Ratio: 1.31 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(FFFAC7)	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(FFFE4)	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.05 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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