

Converting Colors - WCAG Matrix

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

	Hex(8F190E)	Hex(FFFFFF)	Hex(CC513B)	Hex(EB6C52)	Hex(FF876B)	Hex(FFA284)	Hex(FFBE9F)	Hex(FFDBBA)	Hex(FFF8D6)
Hex(8F190E)		Ratio: 9.01 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 8.49 Passed ⁶
Hex(FFFFFF)	Ratio: 9.01 Passed ⁶		Ratio: 4.33 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(CC513B)	Ratio: 2.08 Failed ⁵	Ratio: 4.33 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 4.09 AA 18pt ²
Hex(EB6C52)	Ratio: 2.94 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 1.41 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.89 Failed ⁵
Hex(FF876B)	Ratio: 3.86 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(FFA284)	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 1.94 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(FFBE9F)	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 1.59 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(FFDBBA)	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 1.29 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFF8D6)	Ratio: 8.49 Passed ⁶	Ratio: 1.06 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 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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