

Converting Colors - WCAG Matrix

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

	Hex(F1A766)	Hex(D38D4D)	Hex(B57334)	Hex(985A1C)	Hex(7C4201)	Hex(602C00)	Hex(441600)	Hex(2B0000)	Hex(000000)
Hex(F1A766)		Ratio: 1.36 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 9.48 Passed ⁶	Ratio: 10.46 Passed ⁶
Hex(D38D4D)	Ratio: 1.36 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶
Hex(B57334)	Ratio: 1.91 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 5.47 AA ¹ AAA 18pt ⁴
Hex(985A1C)	Ratio: 2.74 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 3.81 AA 18pt ²
Hex(7C4201)	Ratio: 3.97 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.64 Failed ⁵
Hex(602C00)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(441600)	Ratio: 7.69 Passed ⁶	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(2B0000)	Ratio: 9.48 Passed ⁶	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(000000)	Ratio: 10.46 Passed ⁶	Ratio: 7.69 Passed ⁶	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.10 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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