

Converting Colors - WCAG Matrix

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

	Hex(E08F61)	Hex(C27547)	Hex(A65C30)	Hex(87451A)	Hex(6B2B00)	Hex(521400)	Hex(360000)	Hex(1A0000)	Hex(000000)
Hex(E08F61)		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.20 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.15 Passed ⁶	Ratio: 7.92 Passed ⁶	Ratio: 8.27 Passed ⁶
Hex(C27547)	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 4.06 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 5.93 AA ¹ AAA 18pt ⁴
Hex(A65C30)	Ratio: 1.97 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.02 AA 18pt ²	Ratio: 4.19 AA 18pt ²
Hex(87451A)	Ratio: 2.86 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.47 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 2.90 Failed ⁵
Hex(6B2B00)	Ratio: 4.20 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.47 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.97 Failed ⁵
Hex(521400)	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(360000)	Ratio: 7.15 Passed ⁶	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(1A0000)	Ratio: 7.92 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.02 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 8.27 Passed ⁶	Ratio: 5.93 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.04 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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