

Converting Colors - WCAG Matrix

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

	Hex(FEC869)	Hex(E0AD4F)	Hex(C29235)	Hex(A57919)	Hex(886000)	Hex(6C4800)	Hex(513200)	Hex(361D00)	Hex(1E0600)	Hex(000000)
Hex(FEC869)		Ratio: 1.33 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 7.57 Passed ⁶	Ratio: 10.27 Passed ⁶	Ratio: 12.65 Passed ⁶	Ratio: 13.68 Passed ⁶
Hex(E0AD4F)	Ratio: 1.33 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.49 Passed ⁶	Ratio: 10.26 Passed ⁶
Hex(C29235)	Ratio: 1.83 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 6.90 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶
Hex(A57919)	Ratio: 2.56 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 5.35 AA ¹ AAA 18pt ⁴
Hex(886000)	Ratio: 3.68 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 3.72 AA 18pt ²
Hex(6C4800)	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(513200)	Ratio: 7.57 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(361D00)	Ratio: 10.27 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(1E0600)	Ratio: 12.65 Passed ⁶	Ratio: 9.49 Passed ⁶	Ratio: 6.90 AA ¹ AAA 18pt ⁴	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 13.68 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 7.46 Passed ⁶	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.08 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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