

Converting Colors - WCAG Matrix

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

	Hex(FFD98F)	Hex(E0BD75)	Hex(C4A35C)	Hex(A88742)	Hex(8C7029)	Hex(705712)	Hex(574000)	Hex(3D2900)	Hex(241700)	Hex(000000)
Hex(FFD98F)		Ratio: 1.33 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶	Ratio: 10.28 Passed ⁶	Ratio: 13.00 Passed ⁶	Ratio: 15.57 Passed ⁶
Hex(E0BD75)	Ratio: 1.33 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.77 Passed ⁶	Ratio: 11.71 Passed ⁶
Hex(C4A35C)	Ratio: 1.78 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.77 AA ¹ AAA 18pt ⁴	Ratio: 7.30 Passed ⁶	Ratio: 8.74 Passed ⁶
Hex(A88742)	Ratio: 2.51 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 6.21 AA ¹ AAA 18pt ⁴
Hex(8C7029)	Ratio: 3.49 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.46 AA 18pt ²
Hex(705712)	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.06 AA 18pt ²
Hex(574000)	Ratio: 7.28 Passed ⁶	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(3D2900)	Ratio: 10.28 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.77 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.52 Failed ⁵
Hex(241700)	Ratio: 13.00 Passed ⁶	Ratio: 9.77 Passed ⁶	Ratio: 7.30 Passed ⁶	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(000000)	Ratio: 15.57 Passed ⁶	Ratio: 11.71 Passed ⁶	Ratio: 8.74 Passed ⁶	Ratio: 6.21 AA ¹ AAA 18pt ⁴	Ratio: 4.46 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.20 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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