

Converting Colors - WCAG Matrix

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

	Hex(FFD99E)	Hex(E3BD85)	Hex(C4A36B)	Hex(A88752)	Hex(8C7038)	Hex(735721)	Hex(59400A)	Hex(402900)	Hex(261400)	Hex(000000)
Hex(FFD99E)		Ratio: 1.32 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 7.25 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 13.25 Passed ⁶	Ratio: 15.67 Passed ⁶
Hex(E3BD85)	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 10.05 Passed ⁶	Ratio: 11.88 Passed ⁶
Hex(C4A36B)	Ratio: 1.78 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.44 Passed ⁶	Ratio: 8.80 Passed ⁶
Hex(A88752)	Ratio: 2.51 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 6.25 AA ¹ AAA 18pt ⁴
Hex(8C7038)	Ratio: 3.49 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 4.49 AA 18pt ²
Hex(735721)	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.11 AA 18pt ²
Hex(59400A)	Ratio: 7.25 Passed ⁶	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(402900)	Ratio: 10.21 Passed ⁶	Ratio: 7.74 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(261400)	Ratio: 13.25 Passed ⁶	Ratio: 10.05 Passed ⁶	Ratio: 7.44 Passed ⁶	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(000000)	Ratio: 15.67 Passed ⁶	Ratio: 11.88 Passed ⁶	Ratio: 8.80 Passed ⁶	Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 4.49 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.18 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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