

Converting Colors - WCAG Matrix

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

	Hex(FFD199)	Hex(E1B67F)	Hex(C59B65)	Hex(A8814D)	Hex(8C6835)	Hex(71501E)	Hex(573906)	Hex(3E2300)	Hex(250F00)	Hex(000000)
Hex(FFD199)		Ratio: 1.32 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 7.44 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 12.93 Passed ⁶	Ratio: 14.83 Passed ⁶
Hex(E1B67F)	Ratio: 1.32 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.75 Passed ⁶	Ratio: 9.76 Passed ⁶	Ratio: 11.20 Passed ⁶
Hex(C59B65)	Ratio: 1.80 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.19 Passed ⁶	Ratio: 8.25 Passed ⁶
Hex(A8814D)	Ratio: 2.51 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 5.91 AA ¹ AAA 18pt ⁴
Hex(8C6835)	Ratio: 3.58 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 4.15 AA 18pt ²
Hex(71501E)	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.87 Failed ⁵
Hex(573906)	Ratio: 7.44 Passed ⁶	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.99 Failed ⁵
Hex(3E2300)	Ratio: 10.26 Passed ⁶	Ratio: 7.75 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(250F00)	Ratio: 12.93 Passed ⁶	Ratio: 9.76 Passed ⁶	Ratio: 7.19 Passed ⁶	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(000000)	Ratio: 14.83 Passed ⁶	Ratio: 11.20 Passed ⁶	Ratio: 8.25 Passed ⁶	Ratio: 5.91 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.15 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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