

Converting Colors - WCAG Matrix

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

	Hex(E0D1B8)	Hex(C4B59E)	Hex(A89C82)	Hex(8F8269)	Hex(736952)	Hex(5C4F3B)	Hex(423824)	Hex(2E240F)	Hex(170D00)	Hex(000000)
Hex(E0D1B8)		Ratio: 1.34 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶	Ratio: 10.17 Passed ⁶	Ratio: 12.78 Passed ⁶	Ratio: 13.98 Passed ⁶
Hex(C4B59E)	Ratio: 1.34 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.60 Passed ⁶	Ratio: 9.55 Passed ⁶	Ratio: 10.45 Passed ⁶
Hex(A89C82)	Ratio: 1.81 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.25 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶	Ratio: 7.74 Passed ⁶
Hex(8F8269)	Ratio: 2.51 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 4.05 AA 18pt ²	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 5.56 AA ¹ AAA 18pt ⁴
Hex(736952)	Ratio: 3.61 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.47 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 3.87 AA 18pt ²
Hex(5C4F3B)	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.47 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.64 Failed ⁵
Hex(423824)	Ratio: 7.67 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.25 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(2E240F)	Ratio: 10.17 Passed ⁶	Ratio: 7.60 Passed ⁶	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(170D00)	Ratio: 12.78 Passed ⁶	Ratio: 9.55 Passed ⁶	Ratio: 7.08 Passed ⁶	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 13.98 Passed ⁶	Ratio: 10.45 Passed ⁶	Ratio: 7.74 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.09 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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