

Converting Colors - WCAG Matrix

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

	Hex(EDDEDA)	Hex(D1C2BE)	Hex(B5A7A3)	Hex(9A8D89)	Hex(807370)	Hex(675B57)	Hex(4F4340)	Hex(382D2A)	Hex(221816)	Hex(060000)
Hex(EDDEDA)		Ratio: 1.32 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 7.27 Passed ⁶	Ratio: 10.19 Passed ⁶	Ratio: 13.27 Passed ⁶	Ratio: 15.94 Passed ⁶
Hex(D1C2BE)	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 10.06 Passed ⁶	Ratio: 12.08 Passed ⁶
Hex(B5A7A3)	Ratio: 1.78 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.45 Passed ⁶	Ratio: 8.95 Passed ⁶
Hex(9A8D89)	Ratio: 2.45 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 6.49 AA ¹ AAA 18pt ⁴
Hex(807370)	Ratio: 3.49 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴
Hex(675B57)	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.19 AA 18pt ²
Hex(4F4340)	Ratio: 7.27 Passed ⁶	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.19 Failed ⁵
Hex(382D2A)	Ratio: 10.19 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(221816)	Ratio: 13.27 Passed ⁶	Ratio: 10.06 Passed ⁶	Ratio: 7.45 Passed ⁶	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(060000)	Ratio: 15.94 Passed ⁶	Ratio: 12.08 Passed ⁶	Ratio: 8.95 Passed ⁶	Ratio: 6.49 AA ¹ AAA 18pt ⁴	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.19 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.56 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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