

Converting Colors - WCAG Matrix

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

	Hex(EDD9C4)	Hex(D1BDA8)	Hex(B5A38F)	Hex(998775)	Hex(806E5C)	Hex(665745)	Hex(4F402E)	Hex(38291A)	Hex(211400)	Hex(000000)
Hex(EDD9C4)		Ratio: 1.33 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 13.16 Passed ⁶	Ratio: 15.32 Passed ⁶
Hex(D1BDA8)	Ratio: 1.33 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.92 Passed ⁶	Ratio: 11.56 Passed ⁶
Hex(B5A38F)	Ratio: 1.78 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.38 Passed ⁶	Ratio: 8.60 Passed ⁶
Hex(998775)	Ratio: 2.52 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 6.08 AA ¹ AAA 18pt ⁴
Hex(806E5C)	Ratio: 3.56 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.30 AA 18pt ²
Hex(665745)	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.01 AA 18pt ²
Hex(4F402E)	Ratio: 7.28 Passed ⁶	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.11 Failed ⁵
Hex(38291A)	Ratio: 10.21 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(211400)	Ratio: 13.16 Passed ⁶	Ratio: 9.92 Passed ⁶	Ratio: 7.38 Passed ⁶	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(000000)	Ratio: 15.32 Passed ⁶	Ratio: 11.56 Passed ⁶	Ratio: 8.60 Passed ⁶	Ratio: 6.08 AA ¹ AAA 18pt ⁴	Ratio: 4.30 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.11 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.16 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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