

Converting Colors - WCAG Matrix

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

	Hex(FFD8BC)	Hex(E2BCA1)	Hex(C5A187)	Hex(AA876D)	Hex(8F6E55)	Hex(74553E)	Hex(5B3E27)	Hex(422813)	Hex(2B1400)	Hex(0D0000)
Hex(FFD8BC)		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 7.30 Passed ⁶	Ratio: 10.23 Passed ⁶	Ratio: 13.14 Passed ⁶	Ratio: 15.53 Passed ⁶
Hex(E2BCA1)	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 9.93 Passed ⁶	Ratio: 11.74 Passed ⁶
Hex(C5A187)	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶	Ratio: 8.67 Passed ⁶
Hex(AA876D)	Ratio: 2.47 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 6.29 AA ¹ AAA 18pt ⁴
Hex(8F6E55)	Ratio: 3.49 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 4.45 AA 18pt ²
Hex(74553E)	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.06 AA 18pt ²
Hex(5B3E27)	Ratio: 7.30 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(422813)	Ratio: 10.23 Passed ⁶	Ratio: 7.73 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.52 Failed ⁵
Hex(2B1400)	Ratio: 13.14 Passed ⁶	Ratio: 9.93 Passed ⁶	Ratio: 7.33 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(0D0000)	Ratio: 15.53 Passed ⁶	Ratio: 11.74 Passed ⁶	Ratio: 8.67 Passed ⁶	Ratio: 6.29 AA ¹ AAA 18pt ⁴	Ratio: 4.45 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.13 Failed ⁵	Ratio: 1.52 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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