

Converting Colors - WCAG Matrix

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

	Hex(FFD2CE)	Hex(E2B6B3)	Hex(C69B98)	Hex(AA817E)	Hex(8F6865)	Hex(75504D)	Hex(5B3936)	Hex(432321)	Hex(2C0E0A)	Hex(0F0000)
Hex(FFD2CE)		Ratio: 1.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 7.37 Passed ⁶	Ratio: 10.23 Passed ⁶	Ratio: 13.08 Passed ⁶	Ratio: 15.05 Passed ⁶
Hex(E2B6B3)	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.71 Passed ⁶	Ratio: 9.86 Passed ⁶	Ratio: 11.34 Passed ⁶
Hex(C69B98)	Ratio: 1.80 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶	Ratio: 8.37 Passed ⁶
Hex(AA817E)	Ratio: 2.50 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 6.03 AA ¹ AAA 18pt ⁴
Hex(8F6865)	Ratio: 3.54 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.25 AA 18pt ²
Hex(75504D)	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.95 Failed ⁵
Hex(5B3936)	Ratio: 7.37 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(432321)	Ratio: 10.23 Passed ⁶	Ratio: 7.71 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(2C0E0A)	Ratio: 13.08 Passed ⁶	Ratio: 9.86 Passed ⁶	Ratio: 7.28 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(0F0000)	Ratio: 15.05 Passed ⁶	Ratio: 11.34 Passed ⁶	Ratio: 8.37 Passed ⁶	Ratio: 6.03 AA ¹ AAA 18pt ⁴	Ratio: 4.25 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.47 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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