

Converting Colors - WCAG Matrix

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

	Hex(FFE2DD)	Hex(E2C6C1)	Hex(C6AAA6)	Hex(AB908C)	Hex(907672)	Hex(765D5A)	Hex(5D4642)	Hex(452F2C)	Hex(2E1A18)	Hex(1B0000)
Hex(FFE2DD)		Ratio: 1.31 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 7.10 Passed ⁶	Ratio: 10.13 Passed ⁶	Ratio: 13.45 Passed ⁶	Ratio: 16.41 Passed ⁶
Hex(E2C6C1)	Ratio: 1.31 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 7.71 Passed ⁶	Ratio: 10.24 Passed ⁶	Ratio: 12.50 Passed ⁶
Hex(C6AAA6)	Ratio: 1.77 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.60 Passed ⁶	Ratio: 9.27 Passed ⁶
Hex(AB908C)	Ratio: 2.42 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.19 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 6.78 AA ¹ AAA 18pt ⁴
Hex(907672)	Ratio: 3.42 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴
Hex(765D5A)	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.33 AA 18pt ²
Hex(5D4642)	Ratio: 7.10 Passed ⁶	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.31 Failed ⁵
Hex(452F2C)	Ratio: 10.13 Passed ⁶	Ratio: 7.71 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(2E1A18)	Ratio: 13.45 Passed ⁶	Ratio: 10.24 Passed ⁶	Ratio: 7.60 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(1B0000)	Ratio: 16.41 Passed ⁶	Ratio: 12.50 Passed ⁶	Ratio: 9.27 Passed ⁶	Ratio: 6.78 AA ¹ AAA 18pt ⁴	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.22 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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