

Converting Colors - WCAG Matrix

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

	Hex(D5B2A6)	Hex(B9978C)	Hex(9E7D72)	Hex(83645A)	Hex(694C42)	Hex(51362C)	Hex(392017)	Hex(240A00)	Hex(FFFFFF)
Hex(D5B2A6)		Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.61 Passed ⁶	Ratio: 1.95 Failed ⁵
Hex(B9978C)	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.04 Passed ⁶	Ratio: 2.67 Failed ⁵
Hex(9E7D72)	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²
Hex(83645A)	Ratio: 2.73 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 5.34 AA ¹ AAA 18pt ⁴
Hex(694C42)	Ratio: 3.96 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 7.74 Passed ⁶
Hex(51362C)	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 10.97 Passed ⁶
Hex(392017)	Ratio: 7.72 Passed ⁶	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 15.08 Passed ⁶
Hex(240A00)	Ratio: 9.61 Passed ⁶	Ratio: 7.04 Passed ⁶	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 18.78 Passed ⁶
Hex(FFFFFF)	Ratio: 1.95 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 10.97 Passed ⁶	Ratio: 15.08 Passed ⁶	Ratio: 18.78 Passed ⁶	

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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