

Converting Colors - WCAG Matrix

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

	Hex(232320)	Hex(FFFFFF)	Hex(4F4F4C)	Hex(676764)	Hex(80807D)	Hex(9A9A96)	Hex(B5B5B1)	Hex(D1D1CD)	Hex(EDEDE9)
Hex(232320)		Ratio: 15.76 Passed ⁶	Ratio: 1.92 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 10.29 Passed ⁶	Ratio: 13.42 Passed ⁶
Hex(FFFFFF)	Ratio: 15.76 Passed ⁶		Ratio: 8.22 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(4F4F4C)	Ratio: 1.92 Failed ⁵	Ratio: 8.22 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶
Hex(676764)	Ratio: 2.78 Failed ⁵	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴
Hex(80807D)	Ratio: 3.98 AA 18pt ²	Ratio: 3.96 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.37 AA 18pt ²
Hex(9A9A96)	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 2.82 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(B5B5B1)	Ratio: 7.66 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(D1D1CD)	Ratio: 10.29 Passed ⁶	Ratio: 1.53 Failed ⁵	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(EDEDE9)	Ratio: 13.42 Passed ⁶	Ratio: 1.17 Failed ⁵	Ratio: 7.00 Passed ⁶	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.30 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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