

Converting Colors - WCAG Matrix

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

	Hex(FDCFDF)	Hex(E0B3C3)	Hex(C499A8)	Hex(A87E8D)	Hex(8E6574)	Hex(744D5B)	Hex(5B3644)	Hex(42202E)	Hex(2B0B19)	Hex(120000)
Hex(FDCFDF)		Ratio: 1.33 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 7.38 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 13.02 Passed ⁶	Ratio: 14.79 Passed ⁶
Hex(E0B3C3)	Ratio: 1.33 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.79 Passed ⁶	Ratio: 11.12 Passed ⁶
Hex(C499A8)	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.27 Passed ⁶	Ratio: 8.26 Passed ⁶
Hex(A87E8D)	Ratio: 2.51 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 5.88 AA ¹ AAA 18pt ⁴
Hex(8E6574)	Ratio: 3.56 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.16 AA 18pt ²
Hex(744D5B)	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.88 Failed ⁵
Hex(5B3644)	Ratio: 7.38 Passed ⁶	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(42202E)	Ratio: 10.26 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(2B0B19)	Ratio: 13.02 Passed ⁶	Ratio: 9.79 Passed ⁶	Ratio: 7.27 Passed ⁶	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(120000)	Ratio: 14.79 Passed ⁶	Ratio: 11.12 Passed ⁶	Ratio: 8.26 Passed ⁶	Ratio: 5.88 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.14 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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