

Converting Colors - WCAG Matrix

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

	Hex(412F36)	Hex(FFFFFF)	Hex(715D65)	Hex(8B767E)	Hex(A58F98)	Hex(C0AAB2)	Hex(DCC5CE)	Hex(F9E1EA)	Hex(FFFEFF)
Hex(412F36)		Ratio: 12.47 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶	Ratio: 10.08 Passed ⁶	Ratio: 12.39 Passed ⁶
Hex(FFFFFF)	Ratio: 12.47 Passed ⁶		Ratio: 6.08 AA ¹ AAA 18pt ⁴	Ratio: 4.21 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(715D65)	Ratio: 2.05 Failed ⁵	Ratio: 6.08 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 6.04 AA ¹ AAA 18pt ⁴
Hex(8B767E)	Ratio: 2.96 Failed ⁵	Ratio: 4.21 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 4.18 AA 18pt ²
Hex(A58F98)	Ratio: 4.14 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.02 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(C0AAB2)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 2.18 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.17 Failed ⁵
Hex(DCC5CE)	Ratio: 7.67 Passed ⁶	Ratio: 1.63 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(F9E1EA)	Ratio: 10.08 Passed ⁶	Ratio: 1.24 Failed ⁵	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 3.40 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(FFFEFF)	Ratio: 12.39 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.23 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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