

Converting Colors - WCAG Matrix

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

	Hex(592531)	Hex(FFFFFF)	Hex(8E545F)	Hex(A96D78)	Hex(C58791)	Hex(E1A1AC)	Hex(FFBDC7)	Hex(FFD9E3)	Hex(FFF5FF)
Hex(592531)		Ratio: 12.11 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.39 Passed ⁶	Ratio: 11.40 Passed ⁶
Hex(FFFFFF)	Ratio: 12.11 Passed ⁶		Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(8E545F)	Ratio: 2.07 Failed ⁵	Ratio: 5.86 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 5.51 AA ¹ AAA 18pt ⁴
Hex(A96D78)	Ratio: 2.97 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 3.84 AA 18pt ²
Hex(C58791)	Ratio: 4.18 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.73 Failed ⁵
Hex(E1A1AC)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 2.12 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(FFBDC7)	Ratio: 7.70 Passed ⁶	Ratio: 1.57 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(FFD9E3)	Ratio: 9.39 Passed ⁶	Ratio: 1.29 Failed ⁵	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.17 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFF5FF)	Ratio: 11.40 Passed ⁶	Ratio: 1.06 Failed ⁵	Ratio: 5.51 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 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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