

Converting Colors - WCAG Matrix

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

	Hex(572733)	Hex(FFFFFF)	Hex(8B5661)	Hex(A66F7A)	Hex(C28894)	Hex(DEA3AE)	Hex(FBBECA)	Hex(FFDAE6)	Hex(FFF7FF)
Hex(572733)		Ratio: 12.05 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 9.42 Passed ⁶	Ratio: 11.47 Passed ⁶
Hex(FFFFFF)	Ratio: 12.05 Passed ⁶		Ratio: 5.83 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(8B5661)	Ratio: 2.07 Failed ⁵	Ratio: 5.83 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 5.55 AA ¹ AAA 18pt ⁴
Hex(A66F7A)	Ratio: 2.97 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 3.86 AA 18pt ²
Hex(C28894)	Ratio: 4.16 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.76 Failed ⁵
Hex(DEA3AE)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 2.11 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 2.01 Failed ⁵
Hex(FBBECA)	Ratio: 7.64 Passed ⁶	Ratio: 1.58 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(FFDAE6)	Ratio: 9.42 Passed ⁶	Ratio: 1.28 Failed ⁵	Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 3.17 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFF7FF)	Ratio: 11.47 Passed ⁶	Ratio: 1.05 Failed ⁵	Ratio: 5.55 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 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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