

Converting Colors - WCAG Matrix

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

	Hex(2E2E42)	Hex(FFFFFF)	Hex(5C5C72)	Hex(75748B)	Hex(8F8EA6)	Hex(A9A8C1)	Hex(C5C3DD)	Hex(E1DFFA)	Hex(FDFCFF)
Hex(2E2E42)		Ratio: 13.24 Passed ⁶	Ratio: 2.04 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.71 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 12.96 Passed ⁶
Hex(FFFFFF)	Ratio: 13.24 Passed ⁶		Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.19 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(5C5C72)	Ratio: 2.04 Failed ⁵	Ratio: 6.50 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 6.36 AA ¹ AAA 18pt ⁴
Hex(75748B)	Ratio: 2.92 Failed ⁵	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 4.44 AA 18pt ²
Hex(8F8EA6)	Ratio: 4.15 AA 18pt ²	Ratio: 3.19 AA 18pt ²	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 3.12 AA 18pt ²
Hex(A9A8C1)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 2.32 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(C5C3DD)	Ratio: 7.71 Passed ⁶	Ratio: 1.72 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(E1DFFA)	Ratio: 10.18 Passed ⁶	Ratio: 1.30 Failed ⁵	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 3.49 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(FDFCFF)	Ratio: 12.96 Passed ⁶	Ratio: 1.02 Failed ⁵	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 4.44 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.27 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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