

Converting Colors - WCAG Matrix

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

	Hex(31272E)	Hex(FFFFFF)	Hex(5F545C)	Hex(786C74)	Hex(92858E)	Hex(ACA0A8)	Hex(C8BBC3)	Hex(E4D6DF)	Hex(FFF3FC)
Hex(31272E)		Ratio: 14.38 Passed ⁶	Ratio: 1.99 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.77 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 13.34 Passed ⁶
Hex(FFFFFF)	Ratio: 14.38 Passed ⁶		Ratio: 7.22 Passed ⁶	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(5F545C)	Ratio: 1.99 Failed ⁵	Ratio: 7.22 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 6.70 AA ¹ AAA 18pt ⁴
Hex(786C74)	Ratio: 2.87 Failed ⁵	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴
Hex(92858E)	Ratio: 4.09 AA 18pt ²	Ratio: 3.52 AA 18pt ²	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.26 AA 18pt ²
Hex(ACA0A8)	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 2.52 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(C8BBC3)	Ratio: 7.77 Passed ⁶	Ratio: 1.85 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(E4D6DF)	Ratio: 10.26 Passed ⁶	Ratio: 1.40 Failed ⁵	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(FFF3FC)	Ratio: 13.34 Passed ⁶	Ratio: 1.08 Failed ⁵	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 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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