

Converting Colors - WCAG Matrix

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

	Hex(57424E)	Hex(FFFFFF)	Hex(89727F)	Hex(A38C99)	Hex(BFA6B4)	Hex(DAC1CF)	Hex(F7DDEB)	Hex(FFFAFF)
Hex(57424E)		Ratio: 9.15 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 7.19 Passed ⁶	Ratio: 8.88 Passed ⁶
Hex(FFFFFF)	Ratio: 9.15 Passed ⁶		Ratio: 4.40 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(89727F)	Ratio: 2.08 Failed ⁵	Ratio: 4.40 AA 18pt ²		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 4.26 AA 18pt ²
Hex(A38C99)	Ratio: 2.95 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.01 AA 18pt ²
Hex(BFA6B4)	Ratio: 4.07 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.18 Failed ⁵
Hex(DAC1CF)	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 1.68 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(F7DDEB)	Ratio: 7.19 Passed ⁶	Ratio: 1.27 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(FFFAFF)	Ratio: 8.88 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 4.26 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.63 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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