

Converting Colors - WCAG Matrix

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

	Hex(414C47)	Hex(FFFFFF)	Hex(717D77)	Hex(8A9791)	Hex(A5B1AB)	Hex(C0CDC7)	Hex(DCE9E3)	Hex(F8FFFF)
Hex(414C47)		Ratio: 8.94 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 7.15 Passed ⁶	Ratio: 8.83 Passed ⁶
Hex(FFFFFF)	Ratio: 8.94 Passed ⁶		Ratio: 4.28 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(717D77)	Ratio: 2.09 Failed ⁵	Ratio: 4.28 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 4.23 AA 18pt ²
Hex(8A9791)	Ratio: 2.94 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.00 AA 18pt ²
Hex(A5B1AB)	Ratio: 4.03 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.19 Failed ⁵
Hex(C0CDC7)	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 1.64 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(DCE9E3)	Ratio: 7.15 Passed ⁶	Ratio: 1.25 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(F8FFFF)	Ratio: 8.83 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 4.23 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.62 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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