

Converting Colors - WCAG Matrix

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

	Hex(5B7A7A)	Hex(FFFFFF)	Hex(8EAEAE)	Hex(A8C9CA)	Hex(C4E6E6)	Hex(E0FFFF)	Hex(FDFFFF)
Hex(5B7A7A)		Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 1.95 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.42 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 4.66 AA ¹ AAA 18pt ⁴		Ratio: 2.38 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(8EAEAE)	Ratio: 1.95 Failed ⁵	Ratio: 2.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(A8C9CA)	Ratio: 2.63 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(C4E6E6)	Ratio: 3.51 AA 18pt ²	Ratio: 1.33 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(E0FFFF)	Ratio: 4.42 AA 18pt ²	Ratio: 1.05 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(FDFFFF)	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.05 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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