

Converting Colors - WCAG Matrix

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

	Hex(3E4F4F)	Hex(FFFFFF)	Hex(6E8080)	Hex(879A9A)	Hex(A1B5B5)	Hex(BCD1D0)	Hex(D8EDED)	Hex(F5FFFF)
Hex(3E4F4F)		Ratio: 8.62 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶	Ratio: 8.47 Passed ⁶
Hex(FFFFFF)	Ratio: 8.62 Passed ⁶		Ratio: 4.15 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(6E8080)	Ratio: 2.08 Failed ⁵	Ratio: 4.15 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 4.08 AA 18pt ²
Hex(879A9A)	Ratio: 2.92 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.90 Failed ⁵
Hex(A1B5B5)	Ratio: 4.02 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.11 Failed ⁵
Hex(BCD1D0)	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 1.59 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(D8EDED)	Ratio: 7.08 Passed ⁶	Ratio: 1.22 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(F5FFFF)	Ratio: 8.47 Passed ⁶	Ratio: 1.02 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.20 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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