

Converting Colors - WCAG Matrix

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

Hex(4D5763) Hex(FFFFFF) Hex(7D8796) Hex(99A3B0) Hex(B3BFCC) Hex(CFD9E8) Hex(EBF5FF)

	Hex(4D5763)	Hex(FFFFFF)	Hex(7D8796)	Hex(99A3B0)	Hex(B3BFCC)	Hex(CFD9E8)	Hex(EBF5FF)
Hex(4D5763)		Ratio: 7.35 Passed ⁶	Ratio: 2.02 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 6.66 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 7.35 Passed ⁶		Ratio: 3.63 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(7D8796)	Ratio: 2.02 Failed ⁵	Ratio: 3.63 AA 18pt ²		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.29 AA 18pt ²
Hex(99A3B0)	Ratio: 2.88 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.32 Failed ⁵
Hex(B3BFCC)	Ratio: 3.93 AA 18pt ²	Ratio: 1.87 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(CFD9E8)	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 1.42 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(EBF5FF)	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.29 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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