

Converting Colors - WCAG Matrix

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

Hex(4D567F) Hex(FFFFFF) Hex(7F88B4) Hex(9AA2D0) Hex(B5BDEC) Hex(D1D9FF) Hex(EEF5FF)

	Hex(4D567F)	Hex(FFFFFF)	Hex(7F88B4)	Hex(9AA2D0)	Hex(B5BDEC)	Hex(D1D9FF)	Hex(EEF5FF)
Hex(4D567F)		Ratio: 7.11 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 6.48 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 7.11 Passed ⁶		Ratio: 3.45 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(7F88B4)	Ratio: 2.06 Failed ⁵	Ratio: 3.45 AA 18pt ²		Ratio: 1.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.15 AA 18pt ²
Hex(9AA2D0)	Ratio: 2.86 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(B5BDEC)	Ratio: 3.88 AA 18pt ²	Ratio: 1.83 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(D1D9FF)	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 1.39 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(EEF5FF)	Ratio: 6.48 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵	Ratio: 3.15 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.27 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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