

Converting Colors - WCAG Matrix

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

Hex(434778) Hex(FFFFFF) Hex(7677AD) Hex(9091C8) Hex(ABACE4) Hex(C7C7FF) Hex(E4E3FF)

	Hex(434778)	Hex(FFFFFF)	Hex(7677AD)	Hex(9091C8)	Hex(ABACE4)	Hex(C7C7FF)	Hex(E4E3FF)
Hex(434778)		Ratio: 8.71 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 6.94 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 8.71 Passed ⁶		Ratio: 4.19 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(7677AD)	Ratio: 2.08 Failed ⁵	Ratio: 4.19 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.34 AA 18pt ²
Hex(9091C8)	Ratio: 2.93 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(ABACE4)	Ratio: 4.04 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(C7C7FF)	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 1.61 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(E4E3FF)	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 1.26 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.28 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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