

Converting Colors - WCAG Matrix

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

	Hex(2A365C)	Hex(FFFFFF)	Hex(5B648F)	Hex(757DA9)	Hex(8F97C4)	Hex(AAB2E0)	Hex(C5CDFD)	Hex(E2E9FF)
Hex(2A365C)		Ratio: 11.79 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.60 Passed ⁶	Ratio: 9.73 Passed ⁶
Hex(FFFFFF)	Ratio: 11.79 Passed ⁶		Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(5B648F)	Ratio: 2.06 Failed ⁵	Ratio: 5.73 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.73 AA ¹ AAA 18pt ⁴
Hex(757DA9)	Ratio: 2.96 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.29 AA 18pt ²
Hex(8F97C4)	Ratio: 4.15 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(AAB2E0)	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 2.07 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(C5CDFD)	Ratio: 7.60 Passed ⁶	Ratio: 1.55 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(E2E9FF)	Ratio: 9.73 Passed ⁶	Ratio: 1.21 Failed ⁵	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.71 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

Failed 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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