

Converting Colors - WCAG Matrix

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

	Hex(171F46)	Hex(FFFFFF)	Hex(484B77)	Hex(606291)	Hex(7A7BAB)	Hex(9495C7)	Hex(AFB0E3)	Hex(CBCBFF)	Hex(E8E7FF)
Hex(171F46)		Ratio: 15.90 Passed ⁶	Ratio: 1.93 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶	Ratio: 10.24 Passed ⁶	Ratio: 13.10 Passed ⁶
Hex(FFFFFF)	Ratio: 15.90 Passed ⁶		Ratio: 8.24 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(484B77)	Ratio: 1.93 Failed ⁵	Ratio: 8.24 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 6.79 AA ¹ AAA 18pt ⁴
Hex(606291)	Ratio: 2.77 Failed ⁵	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 4.74 AA ¹ AAA 18pt ⁴
Hex(7A7BAB)	Ratio: 3.97 AA 18pt ²	Ratio: 4.00 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.30 AA 18pt ²
Hex(9495C7)	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 2.84 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(AFB0E3)	Ratio: 7.68 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(CBCBFF)	Ratio: 10.24 Passed ⁶	Ratio: 1.55 Failed ⁵	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(E8E7FF)	Ratio: 13.10 Passed ⁶	Ratio: 1.21 Failed ⁵	Ratio: 6.79 AA ¹ AAA 18pt ⁴	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.34 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

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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