

Converting Colors - WCAG Matrix

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

	Hex(406F9D)	Hex(5C88B8)	Hex(77A2D4)	Hex(93BDF0)	Hex(AFD9FF)	Hex(CBF6FF)	Hex(E8FFFF)	Hex(FFFFFF)
Hex(406F9D)		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 5.28 AA ¹ AAA 18pt ⁴
Hex(5C88B8)	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 3.56 AA 18pt ²	Ratio: 3.70 AA 18pt ²
Hex(77A2D4)	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 2.66 Failed ⁵
Hex(93BDF0)	Ratio: 2.71 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(AFD9FF)	Ratio: 3.57 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(CBF6FF)	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(E8FFFF)	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(FFFFFF)	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.04 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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