

Converting Colors - WCAG Matrix

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

	Hex(1E64BE)	Hex(FFFFFF)	Hex(6796F7)	Hex(86B1FF)	Hex(A4CCFF)	Hex(C1E8FF)	Hex(E0FFFF)	Hex(FEFFFF)
Hex(1E64BE)		Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 2.01 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.49 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 5.79 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.80 AA ¹ AAA 18pt ⁴		Ratio: 2.88 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(6796F7)	Ratio: 2.01 Failed ⁵	Ratio: 2.88 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 2.88 Failed ⁵
Hex(86B1FF)	Ratio: 2.69 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(A4CCFF)	Ratio: 3.50 AA 18pt ²	Ratio: 1.66 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(C1E8FF)	Ratio: 4.49 AA 18pt ²	Ratio: 1.29 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(E0FFFF)	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(FEFFFF)	Ratio: 5.79 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.05 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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