

Converting Colors - WCAG Matrix

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

	Hex(1F5CC2)	Hex(FFFFFF)	Hex(698CFA)	Hex(87A8FF)	Hex(A6C2FF)	Hex(C4DEFF)	Hex(E3FAFF)
Hex(1F5CC2)		Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 2.00 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 5.76 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.23 AA ¹ AAA 18pt ⁴		Ratio: 3.12 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(698CFA)	Ratio: 2.00 Failed ⁵	Ratio: 3.12 AA 18pt ²		Ratio: 1.35 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.88 Failed ⁵
Hex(87A8FF)	Ratio: 2.69 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(A6C2FF)	Ratio: 3.50 AA 18pt ²	Ratio: 1.78 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(C4DEFF)	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 1.38 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.27 Failed ⁵
Hex(E3FAFF)	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.27 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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