

Converting Colors - WCAG Matrix

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

	Hex(2471A8)	Hex(FFFFFF)	Hex(65A5DF)	Hex(82C0FC)	Hex(9FDBFF)	Hex(BCF8FF)	Hex(DAFFFF)	Hex(F8FFFF)
Hex(2471A8)		Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 2.00 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 5.18 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.25 AA ¹ AAA 18pt ⁴		Ratio: 2.62 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(65A5DF)	Ratio: 2.00 Failed ⁵	Ratio: 2.62 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.59 Failed ⁵
Hex(82C0FC)	Ratio: 2.72 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(9FDBFF)	Ratio: 3.51 AA 18pt ²	Ratio: 1.49 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(BCF8FF)	Ratio: 4.50 AA ¹ AAA 18pt ⁴	Ratio: 1.17 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(DAFFFF)	Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F8FFFF)	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.15 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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