

Converting Colors - WCAG Matrix

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

	Hex(2C6BA0)	Hex(FFFFFF)	Hex(689ED7)	Hex(85B9F4)	Hex(A1D5FF)	Hex(BEF1FF)	Hex(DBFFFF)	Hex(F9FFFF)
Hex(2C6BA0)		Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 2.01 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 5.59 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.65 AA ¹ AAA 18pt ⁴		Ratio: 2.81 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(689ED7)	Ratio: 2.01 Failed ⁵	Ratio: 2.81 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(85B9F4)	Ratio: 2.76 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(A1D5FF)	Ratio: 3.63 AA 18pt ²	Ratio: 1.56 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(BEF1FF)	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 1.22 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(DBFFFF)	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F9FFFF)	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.21 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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