

Converting Colors - WCAG Matrix

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

	Hex(005DBA)	Hex(FFFFFF)	Hex(5E8FF3)	Hex(7DA9FF)	Hex(9BC4FF)	Hex(B9E0FF)	Hex(D7FCFF)	Hex(F6FFFF)
Hex(005DBA)		Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 2.05 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 5.88 AA ¹ AAA 18pt ⁴	Ratio: 6.31 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.41 AA ¹ AAA 18pt ⁴		Ratio: 3.13 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(5E8FF3)	Ratio: 2.05 Failed ⁵	Ratio: 3.13 AA 18pt ²		Ratio: 1.34 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.08 AA 18pt ²
Hex(7DA9FF)	Ratio: 2.75 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(9BC4FF)	Ratio: 3.58 AA 18pt ²	Ratio: 1.79 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(B9E0FF)	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 1.38 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(D7FCFF)	Ratio: 5.88 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(F6FFFF)	Ratio: 6.31 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.07 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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