

Converting Colors - WCAG Matrix

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

	Hex(CFDCFF)	Hex(B1C1FF)	Hex(93A6FF)	Hex(768BF9)	Hex(5772DC)	Hex(365AC0)	Hex(0043A4)	Hex(002D8A)	Hex(001A70)	Hex(000057)
Hex(CFDCFF)		Ratio: 1.28 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 8.80 Passed ⁶	Ratio: 11.10 Passed ⁶	Ratio: 13.48 Passed ⁶
Hex(B1C1FF)	Ratio: 1.28 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 8.64 Passed ⁶	Ratio: 10.50 Passed ⁶
Hex(93A6FF)	Ratio: 1.68 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 6.61 AA ¹ AAA 18pt ⁴	Ratio: 8.03 Passed ⁶
Hex(768BF9)	Ratio: 2.24 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 6.00 AA ¹ AAA 18pt ⁴
Hex(5772DC)	Ratio: 3.16 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.26 AA 18pt ²
Hex(365AC0)	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.97 Failed ⁵
Hex(0043A4)	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.06 Failed ⁵
Hex(002D8A)	Ratio: 8.80 Passed ⁶	Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(001A70)	Ratio: 11.10 Passed ⁶	Ratio: 8.64 Passed ⁶	Ratio: 6.61 AA ¹ AAA 18pt ⁴	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(000057)	Ratio: 13.48 Passed ⁶	Ratio: 10.50 Passed ⁶	Ratio: 8.03 Passed ⁶	Ratio: 6.00 AA ¹ AAA 18pt ⁴	Ratio: 4.26 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.21 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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