

Converting Colors - WCAG Matrix

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

	Hex(C7C7FF)	Hex(ADADFF)	Hex(9494FF)	Hex(7A7AFF)	Hex(6161FF)	Hex(4747FF)	Hex(2E2EFF)	Hex(1414FF)	Hex(0000FF)
Hex(C7C7FF)		Ratio: 1.28 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 4.42 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 5.34 AA ¹ AAA 18pt ⁴
Hex(ADADFF)	Ratio: 1.28 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 3.96 AA 18pt ²	Ratio: 4.17 AA 18pt ²
Hex(9494FF)	Ratio: 1.64 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.25 AA 18pt ²
Hex(7A7AFF)	Ratio: 2.15 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(6161FF)	Ratio: 2.80 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(4747FF)	Ratio: 3.61 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(2E2EFF)	Ratio: 4.42 AA 18pt ²	Ratio: 3.46 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(1414FF)	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(0000FF)	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 3.25 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.48 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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