

Converting Colors - WCAG Matrix

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

	Hex(3333CC)	Hex(594BE9)	Hex(7964FF)	Hex(997DFF)	Hex(B798FF)	Hex(D6B3FF)	Hex(F5CFFF)	Hex(FFEBFF)	Hex(FFFFFF)
Hex(3333CC)		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 6.13 AA ¹ AAA 18pt ⁴	Ratio: 7.47 Passed ⁶	Ratio: 8.45 Passed ⁶
Hex(594BE9)	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 4.23 AA 18pt ²	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 5.82 AA ¹ AAA 18pt ⁴
Hex(7964FF)	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 3.66 AA 18pt ²	Ratio: 4.13 AA 18pt ²
Hex(997DFF)	Ratio: 2.71 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.12 AA 18pt ²
Hex(B798FF)	Ratio: 3.60 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(D6B3FF)	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(F5CFFF)	Ratio: 6.13 AA ¹ AAA 18pt ⁴	Ratio: 4.23 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(FFEBFF)	Ratio: 7.47 Passed ⁶	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(FFFFFF)	Ratio: 8.45 Passed ⁶	Ratio: 5.82 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.13 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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