

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.									
	Hex(9933FF)	Hex(A64DFF)	Hex(B366FF)	Hex(BF80FF)	Hex(CC99FF)	Hex(D9B3FF)	Hex(E6CCFF)	Hex(F2E6FF)	Hex(FFFFFF)
Hex(9933FF)		Ratio: 1.20 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 4.11 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴
Hex(A64DFF)	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.10 AA 18pt ²
Hex(B366FF)	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.35 AA 18pt ²
Hex(BF80FF)	Ratio: 1.81 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(CC99FF)	Ratio: 2.24 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.19 Failed ⁵
Hex(D9B3FF)	Ratio: 2.77 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(E6CCFF)	Ratio: 3.38 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(F2E6FF)	Ratio: 4.11 AA 18pt ²	Ratio: 3.42 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFFFFF)	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 3.35 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 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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