

Converting Colors - WCAG Matrix

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

	Hex(7800FF)	Hex(8619FF)	Hex(9333FF)	Hex(A14CFF)	Hex(AE66FF)	Hex(BC7FFF)	Hex(C999FF)	Hex(D6B2FF)	Hex(E4CCFF)	Hex(F1E5FF)
Hex(7800FF)		Ratio: 1.11 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.43 AA 18pt ²	Ratio: 5.36 AA ¹ AAA 18pt ⁴
Hex(8619FF)	Ratio: 1.11 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 4.00 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴
Hex(9333FF)	Ratio: 1.28 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 4.18 AA 18pt ²
Hex(A14CFF)	Ratio: 1.54 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.48 AA 18pt ²
Hex(AE66FF)	Ratio: 1.89 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.83 Failed ⁵
Hex(BC7FFF)	Ratio: 2.35 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(C999FF)	Ratio: 2.92 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(D6B2FF)	Ratio: 3.60 AA 18pt ²	Ratio: 3.24 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(E4CCFF)	Ratio: 4.43 AA 18pt ²	Ratio: 4.00 AA 18pt ²	Ratio: 3.46 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(F1E5FF)	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 3.48 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.49 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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