

Converting Colors - WCAG Matrix

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

	Hex(894AFF)	Hex(9A64FF)	Hex(AA7DFF)	Hex(BB97FF)	Hex(CBB0FF)	Hex(DCCAFF)	Hex(EDE3FF)	Hex(FDFDFF)	Hex(FFFFFF)
Hex(894AFF)		Ratio: 1.26 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 3.80 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 4.68 AA ¹ AAA 18pt ⁴
Hex(9A64FF)	Ratio: 1.26 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 3.66 AA 18pt ²	Ratio: 3.72 AA 18pt ²
Hex(AA7DFF)	Ratio: 1.58 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 2.96 Failed ⁵
Hex(BB97FF)	Ratio: 2.00 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(CBB0FF)	Ratio: 2.49 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(DCCAFF)	Ratio: 3.11 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(EDE3FF)	Ratio: 3.80 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(FDFDFF)	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFFF)	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.02 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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