

Converting Colors - WCAG Matrix

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

	Hex(1E00C8)	Hex(FFFFFF)	Hex(7140FF)	Hex(915BFF)	Hex(B175FF)	Hex(D090FF)	Hex(F0ACFF)	Hex(FFC8FF)	Hex(FFE5FF)
Hex(1E00C8)		Ratio: 11.12 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 6.38 AA ¹ AAA 18pt ⁴	Ratio: 7.92 Passed ⁶	Ratio: 9.48 Passed ⁶
Hex(FFFFFF)	Ratio: 11.12 Passed ⁶		Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 4.08 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(7140FF)	Ratio: 2.05 Failed ⁵	Ratio: 5.41 AA ¹ AAA 18pt ⁴		Ratio: 1.33 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 3.86 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴
Hex(915BFF)	Ratio: 2.72 Failed ⁵	Ratio: 4.08 AA 18pt ²	Ratio: 1.33 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.48 AA 18pt ²
Hex(B175FF)	Ratio: 3.63 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 1.77 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.61 Failed ⁵
Hex(D090FF)	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 2.30 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(F0ACFF)	Ratio: 6.38 AA ¹ AAA 18pt ⁴	Ratio: 1.74 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(FFC8FF)	Ratio: 7.92 Passed ⁶	Ratio: 1.40 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFE5FF)	Ratio: 9.48 Passed ⁶	Ratio: 1.17 Failed ⁵	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.48 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.49 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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