

Converting Colors - WCAG Matrix

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

	Hex(F0EAF5)	Hex(E5D2F5)	Hex(DAB9F5)	Hex(CFA0F5)	Hex(C388F5)	Hex(B86FF5)	Hex(AD57F5)	Hex(A23EF5)	Hex(9726F5)	Hex(8C0EF5)
Hex(F0EAF5)		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.92 AA 18pt ²	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 5.09 AA ¹ AAA 18pt ⁴
Hex(E5D2F5)	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.80 AA 18pt ²	Ratio: 4.25 AA 18pt ²
Hex(DAB9F5)	Ratio: 1.45 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 3.50 AA 18pt ²
Hex(CFA0F5)	Ratio: 1.78 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.86 Failed ⁵
Hex(C388F5)	Ratio: 2.18 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(B86FF5)	Ratio: 2.68 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(AD57F5)	Ratio: 3.26 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(A23EF5)	Ratio: 3.92 AA 18pt ²	Ratio: 3.27 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(9726F5)	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 3.13 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(8C0EF5)	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 4.25 AA 18pt ²	Ratio: 3.50 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.12 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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