

Converting Colors - WCAG Matrix

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

	Hex(8E11EF)	Hex(9829EF)	Hex(A341EF)	Hex(AD59EF)	Hex(B871EF)	Hex(C289EF)	Hex(CDA0EF)	Hex(D7B8EF)	Hex(E2D0EF)	Hex(ECE8EF)
Hex(8E11EF)		Ratio: 1.12 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 4.17 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴
Hex(9829EF)	Ratio: 1.12 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.72 AA 18pt ²	Ratio: 4.45 AA 18pt ²
Hex(A341EF)	Ratio: 1.31 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 3.81 AA 18pt ²
Hex(AD59EF)	Ratio: 1.57 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.18 AA 18pt ²
Hex(B871EF)	Ratio: 1.91 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.61 Failed ⁵
Hex(C289EF)	Ratio: 2.34 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(CDA0EF)	Ratio: 2.84 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(D7B8EF)	Ratio: 3.45 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(E2D0EF)	Ratio: 4.17 AA 18pt ²	Ratio: 3.72 AA 18pt ²	Ratio: 3.18 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(ECE8EF)	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 4.45 AA 18pt ²	Ratio: 3.81 AA 18pt ²	Ratio: 3.18 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.76 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.