

Converting Colors - WCAG Matrix

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

	Hex(E1D0EF)	Hex(D7B8EF)	Hex(CCA0EF)	Hex(C289EF)	Hex(B771EF)	Hex(AD59EF)	Hex(A241EF)	Hex(9829EF)	Hex(8D11EF)	Hex(8600EF)
Hex(E1D0EF)		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 3.71 AA 18pt ²	Ratio: 4.18 AA 18pt ²	Ratio: 4.44 AA 18pt ²
Hex(D7B8EF)	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.47 AA 18pt ²	Ratio: 3.68 AA 18pt ²
Hex(CCA0EF)	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(C289EF)	Ratio: 1.78 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.49 Failed ⁵
Hex(B771EF)	Ratio: 2.19 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(AD59EF)	Ratio: 2.65 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(A241EF)	Ratio: 3.19 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(9829EF)	Ratio: 3.71 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(8D11EF)	Ratio: 4.18 AA 18pt ²	Ratio: 3.47 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(8600EF)	Ratio: 4.44 AA 18pt ²	Ratio: 3.68 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.06 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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