

Converting Colors - WCAG Matrix

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

	Hex(EDE6F5)	Hex(E0CEF5)	Hex(D3B5F5)	Hex(C69DF5)	Hex(B984F5)	Hex(AC6CF5)	Hex(9F53F5)	Hex(923BF5)	Hex(8422F5)	Hex(770AF5)
Hex(EDE6F5)		Ratio: 1.20 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 4.14 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 5.48 AA ¹ AAA 18pt ⁴
Hex(E0CEF5)	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.06 AA 18pt ²	Ratio: 4.55 AA ¹ AAA 18pt ⁴
Hex(D3B5F5)	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 3.72 AA 18pt ²
Hex(C69DF5)	Ratio: 1.81 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.03 AA 18pt ²
Hex(B984F5)	Ratio: 2.24 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(AC6CF5)	Ratio: 2.77 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(9F53F5)	Ratio: 3.43 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(923BF5)	Ratio: 4.14 AA 18pt ²	Ratio: 3.44 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(8422F5)	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 3.32 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(770AF5)	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.32 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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