

Converting Colors - WCAG Matrix

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

	Hex(EADFFA)	Hex(DBC6FA)	Hex(CCADFA)	Hex(BE94FA)	Hex(AF7BFA)	Hex(A062FA)	Hex(9149FA)	Hex(8230FA)	Hex(7317FA)	Hex(6600FA)
Hex(EADFFA)		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 4.38 AA 18pt ²	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 5.58 AA ¹ AAA 18pt ⁴
Hex(DBC6FA)	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 4.17 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴
Hex(CCADFA)	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 3.71 AA 18pt ²
Hex(BE94FA)	Ratio: 1.87 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(AF7BFA)	Ratio: 2.34 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.39 Failed ⁵
Hex(A062FA)	Ratio: 2.92 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(9149FA)	Ratio: 3.62 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(8230FA)	Ratio: 4.38 AA 18pt ²	Ratio: 3.59 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(7317FA)	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 3.38 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.10 Failed ⁵
Hex(6600FA)	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.10 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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