

Converting Colors - WCAG Matrix

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

	Hex(F1E1FC)	Hex(E7C8FC)	Hex(DCAFFC)	Hex(D295FC)	Hex(C87CFC)	Hex(BE63FC)	Hex(B34AFC)	Hex(A931FC)	Hex(9F17FC)	Hex(9500FC)
Hex(F1E1FC)		Ratio: 1.20 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 3.73 AA 18pt ²	Ratio: 4.23 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴
Hex(E7C8FC)	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.10 AA 18pt ²	Ratio: 3.51 AA 18pt ²	Ratio: 3.82 AA 18pt ²
Hex(DCAFFC)	Ratio: 1.46 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.14 AA 18pt ²
Hex(D295FC)	Ratio: 1.79 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(C87CFC)	Ratio: 2.18 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(BE63FC)	Ratio: 2.65 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(B34AFC)	Ratio: 3.19 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(A931FC)	Ratio: 3.73 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(9F17FC)	Ratio: 4.23 AA 18pt ²	Ratio: 3.51 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(9500FC)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.09 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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