

Converting Colors - WCAG Matrix

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

	Hex(F5EAFB)	Hex(E9D1FF)	Hex(DDB7FF)	Hex(D19DFF)	Hex(C484FF)	Hex(B86AFF)	Hex(AC51FF)	Hex(A038FF)	Hex(941EFF)	Hex(8805FF)
Hex(F5EAFB)		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: 3.37 AA 18pt ²	Ratio: 4.02 AA 18pt ²	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 5.15 AA ¹ AAA 18pt ⁴
Hex(E9D1FF)	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 3.86 AA 18pt ²	Ratio: 4.28 AA 18pt ²
Hex(DDB7FF)	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: 2.29 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 3.50 AA 18pt ²
Hex(D19DFF)	Ratio: 1.81 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.84 Failed ⁵
Hex(C484FF)	Ratio: 2.24 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(B86AFF)	Ratio: 2.77 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(AC51FF)	Ratio: 3.37 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(A038FF)	Ratio: 4.02 AA 18pt ²	Ratio: 3.34 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(941EFF)	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 3.16 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(8805FF)	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 4.28 AA 18pt ²	Ratio: 3.50 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.11 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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