

Converting Colors - WCAG Matrix

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

	Hex(FCFCFF)	Hex(E8E2FF)	Hex(D4C9FF)	Hex(C0AFFF)	Hex(AC96FF)	Hex(987CFF)	Hex(8463FF)	Hex(7049FF)	Hex(5C30FF)	Hex(4816FF)
Hex(FCFCFF)		Ratio: 1.22 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.94 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 6.17 AA ¹ AAA 18pt ⁴	Ratio: 7.24 Passed ⁶
Hex(E8E2FF)	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 4.10 AA 18pt ²	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 5.91 AA ¹ AAA 18pt ⁴
Hex(D4C9FF)	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 4.09 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴
Hex(C0AFFF)	Ratio: 1.90 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.82 AA 18pt ²
Hex(AC96FF)	Ratio: 2.40 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(987CFF)	Ratio: 3.08 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(8463FF)	Ratio: 3.94 AA 18pt ²	Ratio: 3.22 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(7049FF)	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 3.33 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(5C30FF)	Ratio: 6.17 AA ¹ AAA 18pt ⁴	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 3.26 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(4816FF)	Ratio: 7.24 Passed ⁶	Ratio: 5.91 AA ¹ AAA 18pt ⁴	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.17 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.