

Converting Colors - WCAG Matrix

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

	Hex(0F5AFF)	Hex(296AFF)	Hex(427DFF)	Hex(5C8EFF)	Hex(75A0FF)	Hex(8EB1FF)	Hex(A8C4FF)	Hex(C2D4FF)	Hex(DBE5FF)	Hex(F4F8FF)
Hex(0F5AFF)		Ratio: 1.17 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.60 AA 18pt ²	Ratio: 4.24 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴
Hex(296AFF)	Ratio: 1.17 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.62 AA 18pt ²	Ratio: 4.29 AA 18pt ²
Hex(427DFF)	Ratio: 1.43 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.52 AA 18pt ²
Hex(5C8EFF)	Ratio: 1.72 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.91 Failed ⁵
Hex(75A0FF)	Ratio: 2.10 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.40 Failed ⁵
Hex(8EB1FF)	Ratio: 2.52 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(A8C4FF)	Ratio: 3.06 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(C2D4FF)	Ratio: 3.60 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(DBE5FF)	Ratio: 4.24 AA 18pt ²	Ratio: 3.62 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(F4F8FF)	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 4.29 AA 18pt ²	Ratio: 3.52 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 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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