

Converting Colors - WCAG Matrix

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

	Hex(C5BFFE)	Hex(AEA5FE)	Hex(988CFE)	Hex(8172FE)	Hex(6A59FE)	Hex(5340FE)	Hex(3C26FE)	Hex(250DFE)	Hex(1A00FE)
Hex(C5BFFE)		Ratio: 1.28 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.23 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 4.95 AA ¹ AAA 18pt ⁴
Hex(AEA5FE)	Ratio: 1.28 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 3.74 AA 18pt ²	Ratio: 3.88 AA 18pt ²
Hex(988CFE)	Ratio: 1.63 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.04 AA 18pt ²
Hex(8172FE)	Ratio: 2.12 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(6A59FE)	Ratio: 2.74 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(5340FE)	Ratio: 3.47 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(3C26FE)	Ratio: 4.23 AA 18pt ²	Ratio: 3.31 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(250DFE)	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(1A00FE)	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.04 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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