

Converting Colors - WCAG Matrix

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

	Hex(2295FF)	Hex(3BA1FF)	Hex(55ADFF)	Hex(6EBAFF)	Hex(88C6FF)	Hex(A2D2FF)	Hex(BBDEFF)	Hex(D4EBFF)	Hex(EEF7FF)	Hex(FFFFFF)
Hex(2295FF)		Ratio: 1.13 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.08 AA 18pt ²
Hex(3BA1FF)	Ratio: 1.13 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.72 Failed ⁵
Hex(55ADFF)	Ratio: 1.29 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(6EBAFF)	Ratio: 1.49 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(88C6FF)	Ratio: 1.70 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(A2D2FF)	Ratio: 1.94 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(BBDEFF)	Ratio: 2.20 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.40 Failed ⁵
Hex(D4EBFF)	Ratio: 2.51 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(EEF7FF)	Ratio: 2.85 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(FFFFFF)	Ratio: 3.08 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.08 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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