

Converting Colors - WCAG Matrix

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

	Hex(145EAC)	Hex(3F76C8)	Hex(5F90E4)	Hex(7DAAFF)	Hex(9AC5FF)	Hex(B7E1FF)	Hex(D5FEFF)	Hex(F3FFFF)	Hex(FFFFFF)
Hex(145EAC)		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 6.03 AA ¹ AAA 18pt ⁴	Ratio: 6.37 AA ¹ AAA 18pt ⁴	Ratio: 6.51 AA ¹ AAA 18pt ⁴
Hex(3F76C8)	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 4.19 AA 18pt ²	Ratio: 4.43 AA 18pt ²	Ratio: 4.53 AA ¹ AAA 18pt ⁴
Hex(5F90E4)	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.18 AA 18pt ²
Hex(7DAAFF)	Ratio: 2.81 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.32 Failed ⁵
Hex(9AC5FF)	Ratio: 3.66 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(B7E1FF)	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(D5FEFF)	Ratio: 6.03 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(F3FFFF)	Ratio: 6.37 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFFF)	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 3.18 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.02 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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