

Converting Colors - WCAG Matrix

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

	Hex(00719E)	Hex(FFFFFF)	Hex(56A5D5)	Hex(74C0F1)	Hex(91DCFF)	Hex(AFF8FF)	Hex(CCFFFF)	Hex(EAFFFF)
Hex(00719E)		Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 2.01 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 5.25 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.45 AA ¹ AAA 18pt ⁴		Ratio: 2.71 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(56A5D5)	Ratio: 2.01 Failed ⁵	Ratio: 2.71 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.62 Failed ⁵
Hex(74C0F1)	Ratio: 2.74 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.92 Failed ⁵
Hex(91DCFF)	Ratio: 3.60 AA 18pt ²	Ratio: 1.51 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(AFF8FF)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 1.19 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(CCFFFF)	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(EAFFFF)	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.05 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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