

Converting Colors - WCAG Matrix

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

	Hex(00828D)	Hex(359CA7)	Hex(55B7C3)	Hex(72D3DF)	Hex(90F0FB)	Hex(ADFFFF)	Hex(CAFFFF)	Hex(E8FFFF)	Hex(FFFFFF)
Hex(00828D)		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 4.05 AA 18pt ²	Ratio: 4.21 AA 18pt ²	Ratio: 4.41 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴
Hex(359CA7)	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.25 AA 18pt ²
Hex(55B7C3)	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(72D3DF)	Ratio: 2.64 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(90F0FB)	Ratio: 3.50 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(ADFFFF)	Ratio: 4.05 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(CAFFFF)	Ratio: 4.21 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(E8FFFF)	Ratio: 4.41 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(FFFFFF)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.25 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.09 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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