

Converting Colors - WCAG Matrix

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

	Hex(007A83)	Hex(FFFFFF)	Hex(52AFB8)	Hex(6FCAD4)	Hex(8CE7F0)	Hex(A8FFFF)	Hex(C5FFFF)	Hex(E3FFFF)
Hex(007A83)		Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 1.99 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 4.48 AA 18pt ²	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 4.87 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.11 AA ¹ AAA 18pt ⁴		Ratio: 2.57 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(52AFB8)	Ratio: 1.99 Failed ⁵	Ratio: 2.57 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(6FCAD4)	Ratio: 2.69 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(8CE7F0)	Ratio: 3.60 AA 18pt ²	Ratio: 1.42 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(A8FFFF)	Ratio: 4.48 AA 18pt ²	Ratio: 1.14 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(C5FFFF)	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(E3FFFF)	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 1.05 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.09 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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