

Converting Colors - WCAG Matrix

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

	Hex(1A7080)	Hex(FFFFFF)	Hex(59A4B4)	Hex(74BFD0)	Hex(90DBEC)	Hex(ADF7FF)	Hex(C9FFFF)	Hex(E7FFFF)
Hex(1A7080)		Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 2.01 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 5.48 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.72 AA ¹ AAA 18pt ⁴		Ratio: 2.84 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(59A4B4)	Ratio: 2.01 Failed ⁵	Ratio: 2.84 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 2.72 Failed ⁵
Hex(74BFD0)	Ratio: 2.75 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.99 Failed ⁵
Hex(90DBEC)	Ratio: 3.68 AA 18pt ²	Ratio: 1.55 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(ADF7FF)	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 1.20 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(C9FFFF)	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(E7FFFF)	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 1.04 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.15 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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