

Converting Colors - WCAG Matrix

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

	Hex(1C7F85)	Hex(FFFFFF)	Hex(5CB4BA)	Hex(79D0D6)	Hex(95ECF2)	Hex(B2FFFF)	Hex(CFFFFFFF)	Hex(ECFFFFF)
Hex(1C7F85)		Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 1.96 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 4.21 AA 18pt ²	Ratio: 4.39 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 4.75 AA ¹ AAA 18pt ⁴		Ratio: 2.42 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(5CB4BA)	Ratio: 1.96 Failed ⁵	Ratio: 2.42 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(79D0D6)	Ratio: 2.67 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(95ECF2)	Ratio: 3.52 AA 18pt ²	Ratio: 1.35 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(B2FFFF)	Ratio: 4.21 AA 18pt ²	Ratio: 1.13 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(CFFFFFFF)	Ratio: 4.39 AA 18pt ²	Ratio: 1.08 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(ECFFFFF)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.31 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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