

Converting Colors - WCAG Matrix

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

	Hex(00708F)	Hex(338AA8)	Hex(54A3C4)	Hex(70BFEO)	Hex(8CDBFC)	Hex(ABF7FF)	Hex(C7FFFF)	Hex(E3FFFF)	Hex(FFFFFF)
Hex(00708F)		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 5.65 AA ¹ AAA 18pt ⁴
Hex(338AA8)	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.59 AA 18pt ²	Ratio: 3.75 AA 18pt ²	Ratio: 3.93 AA 18pt ²
Hex(54A3C4)	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 2.83 Failed ⁵
Hex(70BFEO)	Ratio: 2.75 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.06 Failed ⁵
Hex(8CDBFC)	Ratio: 3.68 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(ABF7FF)	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(C7FFFF)	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 3.59 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(E3FFFF)	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(FFFFFF)	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.10 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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