

Converting Colors - WCAG Matrix

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

	Hex(0078B0)	Hex(FFFFFF)	Hex(5BACE8)	Hex(7AC8FF)	Hex(98E4FF)	Hex(B5FFFF)	Hex(D3FFFF)	Hex(F2FFFF)
Hex(0078B0)		Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 1.97 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 4.34 AA 18pt ²	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 4.76 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 4.87 AA ¹ AAA 18pt ⁴		Ratio: 2.47 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(5BACE8)	Ratio: 1.97 Failed ⁵	Ratio: 2.47 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(7AC8FF)	Ratio: 2.67 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(98E4FF)	Ratio: 3.45 AA 18pt ²	Ratio: 1.41 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(B5FFFF)	Ratio: 4.34 AA 18pt ²	Ratio: 1.12 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(D3FFFF)	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F2FFFF)	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.38 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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