

Converting Colors - WCAG Matrix

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

	Hex(0068AE)	Hex(FFFFFF)	Hex(5A9BE6)	Hex(79B5FF)	Hex(96D1FF)	Hex(B4EDFF)	Hex(D2FFFF)	Hex(F0FFFF)
Hex(0068AE)		Ratio: 5.85 AA ¹ AAA 18pt ⁴	Ratio: 2.02 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 5.69 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.85 AA ¹ AAA 18pt ⁴		Ratio: 2.89 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(5A9BE6)	Ratio: 2.02 Failed ⁵	Ratio: 2.89 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 2.81 Failed ⁵
Hex(79B5FF)	Ratio: 2.75 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(96D1FF)	Ratio: 3.58 AA 18pt ²	Ratio: 1.63 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(B4EDFF)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 1.27 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(D2FFFF)	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F0FFFF)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.24 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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