

Converting Colors - WCAG Matrix

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

	Hex(2A6790)	Hex(FFFFFF)	Hex(649AC6)	Hex(80B5E2)	Hex(9CD0FF)	Hex(B8ECFF)	Hex(D5FFFF)	Hex(F2FFFF)
Hex(2A6790)		Ratio: 6.10 AA ¹ AAA 18pt ⁴	Ratio: 2.03 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 5.96 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.10 AA ¹ AAA 18pt ⁴		Ratio: 3.01 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(649AC6)	Ratio: 2.03 Failed ⁵	Ratio: 3.01 AA 18pt ²		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 2.94 Failed ⁵
Hex(80B5E2)	Ratio: 2.80 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(9CD0FF)	Ratio: 3.74 AA 18pt ²	Ratio: 1.63 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(B8ECFF)	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 1.27 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(D5FFFF)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F2FFFF)	Ratio: 5.96 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.25 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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