

Converting Colors - WCAG Matrix

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

	Hex(4B5F95)	Hex(FFFFFF)	Hex(8091CB)	Hex(9BACE8)	Hex(B7C7FF)	Hex(D3E3FF)	Hex(F0FFFF)
Hex(4B5F95)		Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 2.03 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 6.07 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.23 AA ¹ AAA 18pt ⁴		Ratio: 3.07 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(8091CB)	Ratio: 2.03 Failed ⁵	Ratio: 3.07 AA 18pt ²		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(9BACE8)	Ratio: 2.81 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(B7C7FF)	Ratio: 3.75 AA 18pt ²	Ratio: 1.66 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(D3E3FF)	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 1.30 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.26 Failed ⁵
Hex(F0FFFF)	Ratio: 6.07 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.26 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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