

Converting Colors - WCAG Matrix

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

	Hex(2B517A)	Hex(FFFFFF)	Hex(6082AF)	Hex(7B9CCB)	Hex(96B7E7)	Hex(B2D2FF)	Hex(CEEEFF)	Hex(EBFFFF)
Hex(2B517A)		Ratio: 8.20 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 7.92 Passed ⁶
Hex(FFFFFF)	Ratio: 8.20 Passed ⁶		Ratio: 3.96 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.04 Failed ⁵
Hex(6082AF)	Ratio: 2.07 Failed ⁵	Ratio: 3.96 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 3.82 AA 18pt ²
Hex(7B9CCB)	Ratio: 2.91 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.72 Failed ⁵
Hex(96B7E7)	Ratio: 3.99 AA 18pt ²	Ratio: 2.05 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(B2D2FF)	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 1.55 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(CEEEFF)	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 1.21 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(EBFFFF)	Ratio: 7.92 Passed ⁶	Ratio: 1.04 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.17 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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