

Converting Colors - WCAG Matrix

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

	Hex(2755AB)	Hex(FFFFFF)	Hex(6886E3)	Hex(85A0FF)	Hex(A2BBFF)	Hex(BFD7FF)	Hex(DDF3FF)	Hex(FBFFFF)
Hex(2755AB)		Ratio: 7.06 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 6.17 AA ¹ AAA 18pt ⁴	Ratio: 7.01 Passed ⁶
Hex(FFFFFF)	Ratio: 7.06 Passed ⁶		Ratio: 3.44 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(6886E3)	Ratio: 2.05 Failed ⁵	Ratio: 3.44 AA 18pt ²		Ratio: 1.39 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 3.41 AA 18pt ²
Hex(85A0FF)	Ratio: 2.85 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.46 Failed ⁵
Hex(A2BBFF)	Ratio: 3.73 AA 18pt ²	Ratio: 1.89 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(BFD7FF)	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 1.46 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(DDF3FF)	Ratio: 6.17 AA ¹ AAA 18pt ⁴	Ratio: 1.15 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 2.17 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(FBFFFF)	Ratio: 7.01 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.14 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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