

Converting Colors - WCAG Matrix

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

	Hex(0949A5)	Hex(3A60C1)	Hex(5A79DD)	Hex(7892FA)	Hex(96ADFF)	Hex(B3C8FF)	Hex(D1E4FF)	Hex(EFFFFF)	Hex(FFFFFF)
Hex(0949A5)		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 6.48 AA ¹ AAA 18pt ⁴	Ratio: 8.14 Passed ⁶	Ratio: 8.37 Passed ⁶
Hex(3A60C1)	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 4.49 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 5.80 AA ¹ AAA 18pt ⁴
Hex(5A79DD)	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.92 AA 18pt ²	Ratio: 4.03 AA 18pt ²
Hex(7892FA)	Ratio: 2.91 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 2.88 Failed ⁵
Hex(96ADFF)	Ratio: 3.87 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(B3C8FF)	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.48 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(D1E4FF)	Ratio: 6.48 AA ¹ AAA 18pt ⁴	Ratio: 4.49 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(EFFFFF)	Ratio: 8.14 Passed ⁶	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(FFFFFF)	Ratio: 8.37 Passed ⁶	Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.03 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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