

Converting Colors - WCAG Matrix

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

	Hex(3B70C3)	Hex(FFFFFF)	Hex(79A3FC)	Hex(97BEFF)	Hex(B4DAFF)	Hex(D1F6FF)	Hex(EFFFFF)
Hex(3B70C3)		Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 1.97 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.36 AA 18pt ²	Ratio: 4.27 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 4.89 AA ¹ AAA 18pt ⁴		Ratio: 2.48 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(79A3FC)	Ratio: 1.97 Failed ⁵	Ratio: 2.48 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(97BEFF)	Ratio: 2.59 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(B4DAFF)	Ratio: 3.36 AA 18pt ²	Ratio: 1.46 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(D1F6FF)	Ratio: 4.27 AA 18pt ²	Ratio: 1.15 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(EFFFFF)	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.11 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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