

Converting Colors - WCAG Matrix

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

	Hex(3C64BC)	Hex(5B7DD8)	Hex(7996F5)	Hex(96B1FF)	Hex(B3CCFF)	Hex(D1E8FF)	Hex(EFFFFFF)	Hex(FFFFFF)
Hex(3C64BC)		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.46 AA 18pt ²	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 5.61 AA ¹ AAA 18pt ⁴
Hex(5B7DD8)	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.11 AA 18pt ²	Ratio: 3.80 AA 18pt ²	Ratio: 3.91 AA 18pt ²
Hex(7996F5)	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 2.80 Failed ⁵
Hex(96B1FF)	Ratio: 2.68 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(B3CCFF)	Ratio: 3.47 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(D1E8FF)	Ratio: 4.46 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(EFFFFFF)	Ratio: 5.45 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(FFFFFF)	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.26 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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