

Converting Colors - WCAG Matrix

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

	Hex(005FBB)	Hex(3C77D7)	Hex(5E91F4)	Hex(7DABFF)	Hex(9BC6FF)	Hex(B9E2FF)	Hex(D8FFFF)	Hex(F6FFFF)	Hex(FFFFFF)
Hex(005FBB)		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 6.26 AA ¹ AAA 18pt ⁴
Hex(3C77D7)	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 4.09 AA 18pt ²	Ratio: 4.29 AA 18pt ²	Ratio: 4.36 AA 18pt ²
Hex(5E91F4)	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.02 AA 18pt ²	Ratio: 3.07 AA 18pt ²
Hex(7DABFF)	Ratio: 2.73 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(9BC6FF)	Ratio: 3.55 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(B9E2FF)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(D8FFFF)	Ratio: 5.86 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.07 Failed ⁵
Hex(F6FFFF)	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 4.29 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFFF)	Ratio: 6.26 AA ¹ AAA 18pt ⁴	Ratio: 4.36 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.02 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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