

Converting Colors - WCAG Matrix

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

Hex(004CFA) Hex(FFFFFF) Hex(737DFF) Hex(9597FF) Hex(B6B2FF) Hex(D7CEFF) Hex(F7EAFF)

	Hex(004CFA)	Hex(FFFFFF)	Hex(737DFF)	Hex(9597FF)	Hex(B6B2FF)	Hex(D7CEFF)	Hex(F7EAFF)
Hex(004CFA)		Ratio: 6.15 AA ¹ AAA 18pt ⁴	Ratio: 1.79 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 4.15 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.15 AA ¹ AAA 18pt ⁴		Ratio: 3.44 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(737DFF)	Ratio: 1.79 Failed ⁵	Ratio: 3.44 AA 18pt ²		Ratio: 1.33 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.98 Failed ⁵
Hex(9597FF)	Ratio: 2.39 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(B6B2FF)	Ratio: 3.16 AA 18pt ²	Ratio: 1.94 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(D7CEFF)	Ratio: 4.15 AA 18pt ²	Ratio: 1.48 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(F7EAFF)	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 1.16 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.28 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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