

Converting Colors - WCAG Matrix

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

Hex(004EF0) Hex(FFFFFF) Hex(707FFF) Hex(9299FF) Hex(B2B4FF) Hex(D2CFFF) Hex(F2EBFF)

	Hex(004EF0)	Hex(FFFFFF)	Hex(707FFF)	Hex(9299FF)	Hex(B2B4FF)	Hex(D2CFFF)	Hex(F2EBFF)
Hex(004EF0)		Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 1.84 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 4.21 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.27 AA ¹ AAA 18pt ⁴		Ratio: 3.40 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(707FFF)	Ratio: 1.84 Failed ⁵	Ratio: 3.40 AA 18pt ²		Ratio: 1.33 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.93 Failed ⁵
Hex(9299FF)	Ratio: 2.46 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(B2B4FF)	Ratio: 3.25 AA 18pt ²	Ratio: 1.93 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(D2CFFF)	Ratio: 4.21 AA 18pt ²	Ratio: 1.49 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(F2EBFF)	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 1.16 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.67 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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