

Converting Colors - WCAG Matrix

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

	Hex(4238C2)	Hex(FFFFFF)	Hex(8169FC)	Hex(9F82FF)	Hex(BD9DFF)	Hex(DBB8FF)	Hex(FAD4FF)	Hex(FFF0FF)
Hex(4238C2)		Ratio: 8.15 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 6.18 AA ¹ AAA 18pt ⁴	Ratio: 7.44 Passed ⁶
Hex(FFFFFF)	Ratio: 8.15 Passed ⁶		Ratio: 3.92 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(8169FC)	Ratio: 2.08 Failed ⁵	Ratio: 3.92 AA 18pt ²		Ratio: 1.33 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.57 AA 18pt ²
Hex(9F82FF)	Ratio: 2.76 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(BD9DFF)	Ratio: 3.66 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(DBB8FF)	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 1.71 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(FAD4FF)	Ratio: 6.18 AA ¹ AAA 18pt ⁴	Ratio: 1.32 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFF0FF)	Ratio: 7.44 Passed ⁶	Ratio: 1.10 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.20 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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