

Converting Colors - WCAG Matrix

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

	Hex(F1EBFF)	Hex(DFD1FF)	Hex(CCB8FF)	Hex(BA9EFF)	Hex(A885FF)	Hex(966BFF)	Hex(8452FF)	Hex(7238FF)	Hex(5F1FFF)	Hex(4D05FF)
Hex(F1EBFF)		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 3.90 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 6.50 AA ¹ AAA 18pt ⁴
Hex(DFD1FF)	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 5.29 AA ¹ AAA 18pt ⁴
Hex(CCB8FF)	Ratio: 1.52 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 3.80 AA 18pt ²	Ratio: 4.27 AA 18pt ²
Hex(BA9EFF)	Ratio: 1.92 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.39 AA 18pt ²
Hex(A885FF)	Ratio: 2.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.68 Failed ⁵
Hex(966BFF)	Ratio: 3.09 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(8452FF)	Ratio: 3.90 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(7238FF)	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 3.19 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(5F1FFF)	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 3.01 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(4D05FF)	Ratio: 6.50 AA ¹ AAA 18pt ⁴	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 4.27 AA 18pt ²	Ratio: 3.39 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.12 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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