

Converting Colors - WCAG Matrix

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

	Hex(211AFF)	Hex(FFFFFF)	Hex(7F53FF)	Hex(A26EFF)	Hex(C489FF)	Hex(E5A5FF)	Hex(FFC1FF)	Hex(FFDEFF)	Hex(FFFBFF)
Hex(211AFF)		Ratio: 7.91 Passed ⁶	Ratio: 1.73 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 3.15 AA 18pt ²	Ratio: 4.20 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 6.45 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶
Hex(FFFFFF)	Ratio: 7.91 Passed ⁶		Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(7F53FF)	Ratio: 1.73 Failed ⁵	Ratio: 4.58 AA ¹ AAA 18pt ⁴		Ratio: 1.35 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.74 AA 18pt ²	Ratio: 4.47 AA 18pt ²
Hex(A26EFF)	Ratio: 2.34 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 1.35 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.30 AA 18pt ²
Hex(C489FF)	Ratio: 3.15 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(E5A5FF)	Ratio: 4.20 AA 18pt ²	Ratio: 1.88 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(FFC1FF)	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 1.47 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(FFDEFF)	Ratio: 6.45 AA ¹ AAA 18pt ⁴	Ratio: 1.22 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFFBFF)	Ratio: 7.72 Passed ⁶	Ratio: 1.02 Failed ⁵	Ratio: 4.47 AA 18pt ²	Ratio: 3.30 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.43 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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