

Converting Colors - WCAG Matrix

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

	Hex(D42EB4)	Hex(FFFFFF)	Hex(FF6FEC)	Hex(FF8CFF)	Hex(FFA9FF)	Hex(FFC7FF)	Hex(FFE5FF)
Hex(D42EB4)		Ratio: 4.33 AA 18pt ²	Ratio: 1.80 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 3.69 AA 18pt ²
Hex(FFFFFF)	Ratio: 4.33 AA 18pt ²		Ratio: 2.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(FF6FEC)	Ratio: 1.80 Failed ⁵	Ratio: 2.40 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(FF8CFF)	Ratio: 2.15 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(FFA9FF)	Ratio: 2.55 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(FFC7FF)	Ratio: 3.07 AA 18pt ²	Ratio: 1.41 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFE5FF)	Ratio: 3.69 AA 18pt ²	Ratio: 1.17 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.45 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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