

Converting Colors - WCAG Matrix

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

	Hex(CB33C5)	Hex(FFFFFF)	Hex(FF71FE)	Hex(FF8EFF)	Hex(FFACFF)	Hex(FFC9FF)	Hex(FFE7FF)
Hex(CB33C5)		Ratio: 4.36 AA 18pt ²	Ratio: 1.88 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.76 AA 18pt ²
Hex(FFFFFF)	Ratio: 4.36 AA 18pt ²		Ratio: 2.32 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(FF71FE)	Ratio: 1.88 Failed ⁵	Ratio: 2.32 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(FF8EFF)	Ratio: 2.19 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(FFACFF)	Ratio: 2.61 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(FFC9FF)	Ratio: 3.12 AA 18pt ²	Ratio: 1.40 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFE7FF)	Ratio: 3.76 AA 18pt ²	Ratio: 1.16 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.44 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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