

Converting Colors - WCAG Matrix

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

Hex(FF33B4) Hex(FFFFFF) Hex(FF78EC) Hex(FF97FF) Hex(FFB5FF) Hex(FFD3FF) Hex(FFF2FF)

	Hex(FF33B4)	Hex(FFFFFF)	Hex(FF78EC)	Hex(FF97FF)	Hex(FFB5FF)	Hex(FFD3FF)	Hex(FFF2FF)
Hex(FF33B4)		Ratio: 3.29 AA 18pt ²	Ratio: 1.43 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.04 AA 18pt ²
Hex(FFFFFF)	Ratio: 3.29 AA 18pt ²		Ratio: 2.30 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(FF78EC)	Ratio: 1.43 Failed ⁵	Ratio: 2.30 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(FF97FF)	Ratio: 1.74 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(FFB5FF)	Ratio: 2.08 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(FFD3FF)	Ratio: 2.51 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFF2FF)	Ratio: 3.04 AA 18pt ²	Ratio: 1.08 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.21 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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