

Converting Colors - WCAG Matrix

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

	Hex(E84AE8)	Hex(FFFFFF)	Hex(FF87FF)	Hex(FFA4FF)	Hex(FFC2FF)	Hex(FFE0FF)	Hex(FFFEFF)
Hex(E84AE8)		Ratio: 3.19 AA 18pt ²	Ratio: 1.55 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.17 AA 18pt ²
Hex(FFFFFF)	Ratio: 3.19 AA 18pt ²		Ratio: 2.07 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(FF87FF)	Ratio: 1.55 Failed ⁵	Ratio: 2.07 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(FFA4FF)	Ratio: 1.83 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(FFC2FF)	Ratio: 2.19 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵
Hex(FFE0FF)	Ratio: 2.64 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFFEFF)	Ratio: 3.17 AA 18pt ²	Ratio: 1.01 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.74 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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