

Converting Colors - WCAG Matrix

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

	Hex(CA1F7B)	Hex(FFFFFF)	Hex(FF62AF)	Hex(FF80CB)	Hex(FF9DE7)	Hex(FFBAFF)	Hex(FFD7FF)	Hex(FFF5FF)
Hex(CA1F7B)		Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 1.91 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.11 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.26 AA ¹ AAA 18pt ⁴		Ratio: 2.76 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(FF62AF)	Ratio: 1.91 Failed ⁵	Ratio: 2.76 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.59 Failed ⁵
Hex(FF80CB)	Ratio: 2.30 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(FF9DE7)	Ratio: 2.81 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(FFBAFF)	Ratio: 3.44 AA 18pt ²	Ratio: 1.53 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(FFD7FF)	Ratio: 4.11 AA 18pt ²	Ratio: 1.28 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFF5FF)	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.76 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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