

Converting Colors - WCAG Matrix

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

	Hex(B10067)	Hex(FFFFFF)	Hex(ED529A)	Hex(FF6FB5)	Hex(FF8CD0)	Hex(FFA9ED)	Hex(FFC6FF)	Hex(FFE3FF)
Hex(B10067)		Ratio: 6.85 AA ¹ AAA 18pt ⁴	Ratio: 2.05 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 3.96 AA 18pt ²	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 5.77 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 6.85 AA ¹ AAA 18pt ⁴		Ratio: 3.35 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(ED529A)	Ratio: 2.05 Failed ⁵	Ratio: 3.35 AA 18pt ²		Ratio: 1.31 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.82 Failed ⁵
Hex(FF6FB5)	Ratio: 2.67 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(FF8CD0)	Ratio: 3.23 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(FFA9ED)	Ratio: 3.96 AA 18pt ²	Ratio: 1.73 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(FFC6FF)	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 1.42 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFE3FF)	Ratio: 5.77 AA ¹ AAA 18pt ⁴	Ratio: 1.19 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.46 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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