

Converting Colors - WCAG Matrix

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

	Hex(320C2D)	Hex(FFF0FF)	Hex(62395B)	Hex(7B5073)	Hex(96698D)	Hex(B182A7)	Hex(CC9DC3)	Hex(E9B8DF)	Hex(FFD4FB)
Hex(320C2D)		Ratio: 15.63 Passed ⁶	Ratio: 1.84 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 7.49 Passed ⁶	Ratio: 10.10 Passed ⁶	Ratio: 13.10 Passed ⁶
Hex(FFF0FF)	Ratio: 15.63 Passed ⁶		Ratio: 8.49 Passed ⁶	Ratio: 5.92 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(62395B)	Ratio: 1.84 Failed ⁵	Ratio: 8.49 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 7.12 Passed ⁶
Hex(7B5073)	Ratio: 2.64 Failed ⁵	Ratio: 5.92 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 4.96 AA ¹ AAA 18pt ⁴
Hex(96698D)	Ratio: 3.83 AA 18pt ²	Ratio: 4.07 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.42 AA 18pt ²
Hex(B182A7)	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 2.89 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(CC9DC3)	Ratio: 7.49 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(E9B8DF)	Ratio: 10.10 Passed ⁶	Ratio: 1.55 Failed ⁵	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(FFD4FB)	Ratio: 13.10 Passed ⁶	Ratio: 1.19 Failed ⁵	Ratio: 7.12 Passed ⁶	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.30 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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