

Converting Colors - WCAG Matrix

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

	Hex(4A0041)	Hex(FFF2FF)	Hex(7E3771)	Hex(99508B)	Hex(B469A5)	Hex(D083C0)	Hex(ED9EDC)	Hex(FFBAF9)	Hex(FFD6FF)
Hex(4A0041)		Ratio: 14.19 Passed ⁶	Ratio: 1.95 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.98 Passed ⁶	Ratio: 11.93 Passed ⁶
Hex(FFF2FF)	Ratio: 14.19 Passed ⁶		Ratio: 7.26 Passed ⁶	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(7E3771)	Ratio: 1.95 Failed ⁵	Ratio: 7.26 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 6.11 AA ¹ AAA 18pt ⁴
Hex(99508B)	Ratio: 2.83 Failed ⁵	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 4.21 AA 18pt ²
Hex(B469A5)	Ratio: 4.03 AA 18pt ²	Ratio: 3.52 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.96 Failed ⁵
Hex(D083C0)	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 2.52 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(ED9EDC)	Ratio: 7.70 Passed ⁶	Ratio: 1.84 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(FFBAF9)	Ratio: 9.98 Passed ⁶	Ratio: 1.42 Failed ⁵	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFD6FF)	Ratio: 11.93 Passed ⁶	Ratio: 1.19 Failed ⁵	Ratio: 6.11 AA ¹ AAA 18pt ⁴	Ratio: 4.21 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.55 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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