

Converting Colors - WCAG Matrix

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

	Hex(5C0037)	Hex(FFF9FF)	Hex(923B66)	Hex(AE547F)	Hex(CA6E99)	Hex(E789B3)	Hex(FFA4CF)	Hex(FFC0EB)	Hex(FFDCFF)
Hex(5C0037)		Ratio: 13.41 Passed ⁶	Ratio: 2.01 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.59 Passed ⁶	Ratio: 9.26 Passed ⁶	Ratio: 11.21 Passed ⁶
Hex(FFF9FF)	Ratio: 13.41 Passed ⁶		Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(923B66)	Ratio: 2.01 Failed ⁵	Ratio: 6.66 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 5.57 AA ¹ AAA 18pt ⁴
Hex(AE547F)	Ratio: 2.90 Failed ⁵	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 3.87 AA 18pt ²
Hex(CA6E99)	Ratio: 4.11 AA 18pt ²	Ratio: 3.26 AA 18pt ²	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.73 Failed ⁵
Hex(E789B3)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 2.35 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(FFA4CF)	Ratio: 7.59 Passed ⁶	Ratio: 1.77 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(FFC0EB)	Ratio: 9.26 Passed ⁶	Ratio: 1.45 Failed ⁵	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFDCFF)	Ratio: 11.21 Passed ⁶	Ratio: 1.20 Failed ⁵	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 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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