

Converting Colors - WCAG Matrix

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

Hex(2F0428) Hex(FFE7FF) Hex(5F3155) Hex(78496D) Hex(926187) Hex(AD7BA1) Hex(C995BC) Hex(E6B0D8) Hex(FFCBF4)

	Hex(2F0428)	Hex(FFE7FF)	Hex(5F3155)	Hex(78496D)	Hex(926187)	Hex(AD7BA1)	Hex(C995BC)	Hex(E6B0D8)	Hex(FFCBF4)
Hex(2F0428)		Ratio: 15.51 Passed ⁶	Ratio: 1.76 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶	Ratio: 9.90 Passed ⁶	Ratio: 12.92 Passed ⁶
Hex(FFE7FF)	Ratio: 15.51 Passed ⁶		Ratio: 8.81 Passed ⁶	Ratio: 6.10 AA ¹ AAA 18pt ⁴	Ratio: 4.23 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(5F3155)	Ratio: 1.76 Failed ⁵	Ratio: 8.81 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.34 Passed ⁶
Hex(78496D)	Ratio: 2.54 Failed ⁵	Ratio: 6.10 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.08 AA ¹ AAA 18pt ⁴
Hex(926187)	Ratio: 3.66 AA 18pt ²	Ratio: 4.23 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.53 AA 18pt ²
Hex(AD7BA1)	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 2.96 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.47 Failed ⁵
Hex(C995BC)	Ratio: 7.28 Passed ⁶	Ratio: 2.13 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(E6B0D8)	Ratio: 9.90 Passed ⁶	Ratio: 1.57 Failed ⁵	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(FFCBF4)	Ratio: 12.92 Passed ⁶	Ratio: 1.20 Failed ⁵	Ratio: 7.34 Passed ⁶	Ratio: 5.08 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.31 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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