

Converting Colors - WCAG Matrix

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

	Hex(CEACC7)	Hex(B291AC)	Hex(987791)	Hex(7D5F77)	Hex(64475F)	Hex(4C3047)	Hex(351A31)	Hex(20021C)	Hex(FFFFFF)
Hex(CEACC7)		Ratio: 1.37 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.52 Passed ⁶	Ratio: 2.03 Failed ⁵
Hex(B291AC)	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 2.79 Failed ⁵
Hex(987791)	Ratio: 1.92 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²
Hex(7D5F77)	Ratio: 2.74 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴
Hex(64475F)	Ratio: 3.97 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 8.05 Passed ⁶
Hex(4C3047)	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 11.53 Passed ⁶
Hex(351A31)	Ratio: 7.70 Passed ⁶	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 15.63 Passed ⁶
Hex(20021C)	Ratio: 9.52 Passed ⁶	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 19.32 Passed ⁶
Hex(FFFFFF)	Ratio: 2.03 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 8.05 Passed ⁶	Ratio: 11.53 Passed ⁶	Ratio: 15.63 Passed ⁶	Ratio: 19.32 Passed ⁶	

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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