

Converting Colors - WCAG Matrix

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

	Hex(1D0001)	Hex(2F121C)	Hex(462731)	Hex(5E3E47)	Hex(77555F)	Hex(916E77)	Hex(AC8791)	Hex(C7A1AC)	Hex(E4BCC7)	Hex(FFD8E3)
Hex(1D0001)		Ratio: 1.16 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 4.47 AA 18pt ²	Ratio: 6.30 AA ¹ AAA 18pt ⁴	Ratio: 8.67 Passed ⁶	Ratio: 11.70 Passed ⁶	Ratio: 15.37 Passed ⁶
Hex(2F121C)	Ratio: 1.16 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 7.45 Passed ⁶	Ratio: 10.06 Passed ⁶	Ratio: 13.22 Passed ⁶
Hex(462731)	Ratio: 1.52 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 10.15 Passed ⁶
Hex(5E3E47)	Ratio: 2.14 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 7.17 Passed ⁶
Hex(77555F)	Ratio: 3.09 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.98 AA ¹ AAA 18pt ⁴
Hex(916E77)	Ratio: 4.47 AA 18pt ²	Ratio: 3.84 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.44 AA 18pt ²
Hex(AC8791)	Ratio: 6.30 AA ¹ AAA 18pt ⁴	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(C7A1AC)	Ratio: 8.67 Passed ⁶	Ratio: 7.45 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(E4BCC7)	Ratio: 11.70 Passed ⁶	Ratio: 10.06 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.46 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(FFD8E3)	Ratio: 15.37 Passed ⁶	Ratio: 13.22 Passed ⁶	Ratio: 10.15 Passed ⁶	Ratio: 7.17 Passed ⁶	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.44 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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