

Converting Colors - WCAG Matrix

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

	Hex(240700)	Hex(FFE8E2)	Hex(503430)	Hex(684B47)	Hex(82635E)	Hex(9C7C77)	Hex(B89590)	Hex(D4B0AB)	Hex(F0CCC6)
Hex(240700)		Ratio: 16.19 Passed ⁶	Ratio: 1.70 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶	Ratio: 9.59 Passed ⁶	Ratio: 12.81 Passed ⁶
Hex(FFE8E2)	Ratio: 16.19 Passed ⁶		Ratio: 9.54 Passed ⁶	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(503430)	Ratio: 1.70 Failed ⁵	Ratio: 9.54 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.55 Passed ⁶
Hex(684B47)	Ratio: 2.43 Failed ⁵	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.27 AA ¹ AAA 18pt ⁴
Hex(82635E)	Ratio: 3.52 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.63 AA 18pt ²
Hex(9C7C77)	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(B89590)	Ratio: 7.00 Passed ⁶	Ratio: 2.31 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(D4B0AB)	Ratio: 9.59 Passed ⁶	Ratio: 1.69 Failed ⁵	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵
Hex(F0CCC6)	Ratio: 12.81 Passed ⁶	Ratio: 1.26 Failed ⁵	Ratio: 7.55 Passed ⁶	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 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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