

Converting Colors - WCAG Matrix

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

Hex(8E8A6B) Hex(B8B181) Hex(818E6B) Hex(474740) Hex(877800) Hex(080700)

	Hex(8E8A6B)	Hex(B8B181)	Hex(818E6B)	Hex(474740)	Hex(877800)	Hex(080700)
Hex(8E8A6B)		Ratio: 1.61 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 5.76 AA ¹ AAA 18pt ⁴
Hex(B8B181)	Ratio: 1.61 Failed ⁵		Ratio: 1.60 Failed ⁵	Ratio: 4.30 AA 18pt ²	Ratio: 2.04 Failed ⁵	Ratio: 9.27 Passed ⁶
Hex(818E6B)	Ratio: 1.00 Failed ⁵	Ratio: 1.60 Failed ⁵		Ratio: 2.68 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 5.78 AA ¹ AAA 18pt ⁴
Hex(474740)	Ratio: 2.67 Failed ⁵	Ratio: 4.30 AA 18pt ²	Ratio: 2.68 Failed ⁵		Ratio: 2.10 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(877800)	Ratio: 1.27 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 2.10 Failed ⁵		Ratio: 4.53 AA ¹ AAA 18pt ⁴
Hex(080700)	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 9.27 Passed ⁶	Ratio: 5.78 AA ¹ AAA 18pt ⁴	Ratio: 2.16 Failed ⁵	Ratio: 4.53 AA ¹ AAA 18pt ⁴	

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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