

Converting Colors - WCAG Matrix

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

	Hex(220906)	Hex(FFE9E7)	Hex(4E3534)	Hex(664C4A)	Hex(806462)	Hex(9A7D7B)	Hex(B59795)	Hex(D1B1AF)	Hex(EDCDCB)
Hex(220906)		Ratio: 16.27 Passed ⁶	Ratio: 1.70 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 7.05 Passed ⁶	Ratio: 9.57 Passed ⁶	Ratio: 12.79 Passed ⁶
Hex(FFE9E7)	Ratio: 16.27 Passed ⁶		Ratio: 9.59 Passed ⁶	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(4E3534)	Ratio: 1.70 Failed ⁵	Ratio: 9.59 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶
Hex(664C4A)	Ratio: 2.43 Failed ⁵	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴
Hex(806462)	Ratio: 3.53 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.62 AA 18pt ²
Hex(9A7D7B)	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(B59795)	Ratio: 7.05 Passed ⁶	Ratio: 2.31 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(D1B1AF)	Ratio: 9.57 Passed ⁶	Ratio: 1.70 Failed ⁵	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.34 Failed ⁵
Hex(EDCDCB)	Ratio: 12.79 Passed ⁶	Ratio: 1.27 Failed ⁵	Ratio: 7.54 Passed ⁶	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.81 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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