

Converting Colors - WCAG Matrix

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

	Hex(232A09)	Hex(FFFEEA)	Hex(505735)	Hex(69704C)	Hex(828964)	Hex(9CA37D)	Hex(B7BE97)	Hex(D3DAB2)	Hex(F0F7CE)
Hex(232A09)		Ratio: 14.75 Passed ⁶	Ratio: 1.96 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 10.27 Passed ⁶	Ratio: 13.44 Passed ⁶
Hex(FFFEEA)	Ratio: 14.75 Passed ⁶		Ratio: 7.53 Passed ⁶	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(505735)	Ratio: 1.96 Failed ⁵	Ratio: 7.53 Passed ⁶		Ratio: 1.46 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 6.86 AA ¹ AAA 18pt ⁴
Hex(69704C)	Ratio: 2.86 Failed ⁵	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 1.46 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 4.70 AA ¹ AAA 18pt ⁴
Hex(828964)	Ratio: 4.06 AA 18pt ²	Ratio: 3.63 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.31 AA 18pt ²
Hex(9CA37D)	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 2.61 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(B7BE97)	Ratio: 7.70 Passed ⁶	Ratio: 1.92 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(D3DAB2)	Ratio: 10.27 Passed ⁶	Ratio: 1.44 Failed ⁵	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.59 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(F0F7CE)	Ratio: 13.44 Passed ⁶	Ratio: 1.10 Failed ⁵	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.75 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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