

Converting Colors - WCAG Matrix

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

	Hex(452E10)	Hex(FFFFFF)	Hex(785C3B)	Hex(927453)	Hex(AD8E6B)	Hex(C9A884)	Hex(E6C49F)	Hex(FFDFBA)	Hex(FFFC6D)
Hex(452E10)		Ratio: 12.62 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 10.00 Passed ⁶	Ratio: 12.20 Passed ⁶
Hex(FFFFFF)	Ratio: 12.62 Passed ⁶		Ratio: 6.14 AA ¹ AAA 18pt ⁴	Ratio: 4.30 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(785C3B)	Ratio: 2.05 Failed ⁵	Ratio: 6.14 AA ¹ AAA 18pt ⁴		Ratio: 1.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 5.94 AA ¹ AAA 18pt ⁴
Hex(927453)	Ratio: 2.93 Failed ⁵	Ratio: 4.30 AA 18pt ²	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 4.16 AA 18pt ²
Hex(AD8E6B)	Ratio: 4.15 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.02 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.94 Failed ⁵
Hex(C9A884)	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 2.21 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(E6C49F)	Ratio: 7.73 Passed ⁶	Ratio: 1.63 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(FFDFBA)	Ratio: 10.00 Passed ⁶	Ratio: 1.26 Failed ⁵	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFFC6D)	Ratio: 12.20 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.22 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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