

Converting Colors - WCAG Matrix

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

	Hex(784844)	Hex(FFFFFF)	Hex(AE7974)	Hex(CA938E)	Hex(E7AEA8)	Hex(FFC9C4)	Hex(FFE5E0)	Hex(FFFFFFC)
Hex(784844)		Ratio: 7.48 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 7.46 Passed ⁶
Hex(FFFFFF)	Ratio: 7.48 Passed ⁶		Ratio: 3.63 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(AE7974)	Ratio: 2.06 Failed ⁵	Ratio: 3.63 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.62 AA 18pt ²
Hex(CA938E)	Ratio: 2.87 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(E7AEA8)	Ratio: 3.92 AA 18pt ²	Ratio: 1.91 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(FFC9C4)	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 1.46 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(FFE5E0)	Ratio: 6.24 AA ¹ AAA 18pt ⁴	Ratio: 1.20 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 2.17 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFFFFFC)	Ratio: 7.46 Passed ⁶	Ratio: 1.00 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 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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