

Converting Colors - WCAG Matrix

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

	Hex(480000)	Hex(FFECE2)	Hex(7E332F)	Hex(9A4B46)	Hex(B6645D)	Hex(D47E76)	Hex(F19990)	Hex(FFB4AA)	Hex(FFD0C6)
Hex(480000)		Ratio: 14.38 Passed ⁶	Ratio: 1.88 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.60 Passed ⁶	Ratio: 9.69 Passed ⁶	Ratio: 11.83 Passed ⁶
Hex(FFECE2)	Ratio: 14.38 Passed ⁶		Ratio: 7.64 Passed ⁶	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(7E332F)	Ratio: 1.88 Failed ⁵	Ratio: 7.64 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 6.28 AA ¹ AAA 18pt ⁴
Hex(9A4B46)	Ratio: 2.72 Failed ⁵	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 4.35 AA 18pt ²
Hex(B6645D)	Ratio: 3.90 AA 18pt ²	Ratio: 3.69 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.04 AA 18pt ²
Hex(D47E76)	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 2.60 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.14 Failed ⁵
Hex(F19990)	Ratio: 7.60 Passed ⁶	Ratio: 1.89 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(FFB4AA)	Ratio: 9.69 Passed ⁶	Ratio: 1.48 Failed ⁵	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFD0C6)	Ratio: 11.83 Passed ⁶	Ratio: 1.22 Failed ⁵	Ratio: 6.28 AA ¹ AAA 18pt ⁴	Ratio: 4.35 AA 18pt ²	Ratio: 3.04 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 1.56 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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