

Converting Colors - WCAG Matrix

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

	Hex(4A1E1C)	Hex(633431)	Hex(7E4B47)	Hex(99645F)	Hex(B47D78)	Hex(D09791)	Hex(EDB2AC)	Hex(FFCEC7)	Hex(FFEAE3)	Hex(FFFFFF)
Hex(4A1E1C)		Ratio: 1.38 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 9.98 Passed ⁶	Ratio: 12.14 Passed ⁶	Ratio: 14.06 Passed ⁶
Hex(633431)	Ratio: 1.38 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶	Ratio: 8.78 Passed ⁶	Ratio: 10.16 Passed ⁶
Hex(7E4B47)	Ratio: 2.00 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 6.07 AA ¹ AAA 18pt ⁴	Ratio: 7.04 Passed ⁶
Hex(99645F)	Ratio: 2.91 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 4.18 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴
Hex(B47D78)	Ratio: 4.11 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.42 AA 18pt ²
Hex(D09791)	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.47 Failed ⁵
Hex(EDB2AC)	Ratio: 7.74 Passed ⁶	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(FFCEC7)	Ratio: 9.98 Passed ⁶	Ratio: 7.21 Passed ⁶	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(FFEAE3)	Ratio: 12.14 Passed ⁶	Ratio: 8.78 Passed ⁶	Ratio: 6.07 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(FFFFFF)	Ratio: 14.06 Passed ⁶	Ratio: 10.16 Passed ⁶	Ratio: 7.04 Passed ⁶	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.16 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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