

Converting Colors - WCAG Matrix

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

	Hex(FFF4E1)	Hex(E2D8C5)	Hex(C6BCAA)	Hex(ABA18F)	Hex(908776)	Hex(766D5D)	Hex(5E5545)	Hex(463E2F)	Hex(2F281A)	Hex(1C1400)
Hex(FFF4E1)		Ratio: 1.30 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 9.69 Passed ⁶	Ratio: 13.39 Passed ⁶	Ratio: 16.77 Passed ⁶
Hex(E2D8C5)	Ratio: 1.30 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 7.47 Passed ⁶	Ratio: 10.33 Passed ⁶	Ratio: 12.93 Passed ⁶
Hex(C6BCAA)	Ratio: 1.73 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 7.76 Passed ⁶	Ratio: 9.72 Passed ⁶
Hex(ABA18F)	Ratio: 2.34 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.16 Passed ⁶
Hex(908776)	Ratio: 3.26 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴
Hex(766D5D)	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.58 AA 18pt ²
Hex(5E5545)	Ratio: 6.74 AA ¹ AAA 18pt ⁴	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.49 Failed ⁵
Hex(463E2F)	Ratio: 9.69 Passed ⁶	Ratio: 7.47 Passed ⁶	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(2F281A)	Ratio: 13.39 Passed ⁶	Ratio: 10.33 Passed ⁶	Ratio: 7.76 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.25 Failed ⁵
Hex(1C1400)	Ratio: 16.77 Passed ⁶	Ratio: 12.93 Passed ⁶	Ratio: 9.72 Passed ⁶	Ratio: 7.16 Passed ⁶	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.25 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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