

Converting Colors - WCAG Matrix

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

	Hex(FFF9CC)	Hex(E2DDB0)	Hex(C6C195)	Hex(AAA67B)	Hex(908C62)	Hex(76724A)	Hex(5C5A33)	Hex(44421D)	Hex(2D2C06)	Hex(171800)
Hex(FFF9CC)		Ratio: 1.29 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 9.63 Passed ⁶	Ratio: 13.34 Passed ⁶	Ratio: 16.86 Passed ⁶
Hex(E2DDB0)	Ratio: 1.29 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 7.44 Passed ⁶	Ratio: 10.31 Passed ⁶	Ratio: 13.03 Passed ⁶
Hex(C6C195)	Ratio: 1.72 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 7.77 Passed ⁶	Ratio: 9.82 Passed ⁶
Hex(AAA67B)	Ratio: 2.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.24 Passed ⁶
Hex(908C62)	Ratio: 3.22 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴
Hex(76724A)	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.66 AA 18pt ²
Hex(5C5A33)	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(44421D)	Ratio: 9.63 Passed ⁶	Ratio: 7.44 Passed ⁶	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(2D2C06)	Ratio: 13.34 Passed ⁶	Ratio: 10.31 Passed ⁶	Ratio: 7.77 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.26 Failed ⁵
Hex(171800)	Ratio: 16.86 Passed ⁶	Ratio: 13.03 Passed ⁶	Ratio: 9.82 Passed ⁶	Ratio: 7.24 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.26 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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