

Converting Colors - WCAG Matrix

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

	Hex(4E550C)	Hex(FFFFFF9)	Hex(81863E)	Hex(9CA156)	Hex(B8BC70)	Hex(D4D78A)	Hex(F1F4A5)	Hex(FFFFC0)	Hex(FFFDC)
Hex(4E550C)		Ratio: 7.96 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 6.93 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 7.83 Passed ⁶
Hex(FFFFFF9)	Ratio: 7.96 Passed ⁶		Ratio: 3.87 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(81863E)	Ratio: 2.06 Failed ⁵	Ratio: 3.87 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 3.75 AA 18pt ²	Ratio: 3.80 AA 18pt ²
Hex(9CA156)	Ratio: 2.91 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(B8BC70)	Ratio: 3.98 AA 18pt ²	Ratio: 2.00 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.97 Failed ⁵
Hex(D4D78A)	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 1.51 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(F1F4A5)	Ratio: 6.93 AA ¹ AAA 18pt ⁴	Ratio: 1.15 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(FFFFC0)	Ratio: 7.73 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFDC)	Ratio: 7.83 Passed ⁶	Ratio: 1.02 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.01 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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