

Converting Colors - WCAG Matrix

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

	Hex(445D11)	Hex(5D762A)	Hex(778F42)	Hex(91AA5B)	Hex(ADC575)	Hex(C8E18F)	Hex(E5FEAA)	Hex(FFFFC5)	Hex(FFFE2)	Hex(FFFFFF)
Hex(445D11)		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 7.22 Passed ⁶	Ratio: 7.33 Passed ⁶	Ratio: 7.45 Passed ⁶
Hex(5D762A)	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.58 AA 18pt ² AAA 18pt ⁴	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 5.13 AA ¹ AAA 18pt ⁴
Hex(778F42)	Ratio: 2.05 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 3.52 AA 18pt ²	Ratio: 3.57 AA 18pt ²	Ratio: 3.63 AA 18pt ²
Hex(91AA5B)	Ratio: 2.87 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 2.59 Failed ⁵
Hex(ADC575)	Ratio: 3.91 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(C8E18F)	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(E5FEAA)	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(FFFFC5)	Ratio: 7.22 Passed ⁶	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(FFFE2)	Ratio: 7.33 Passed ⁶	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFFF)	Ratio: 7.45 Passed ⁶	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.02 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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