

Converting Colors - WCAG Matrix

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

	Hex(E5FEAA)	Hex(C8E18F)	Hex(ADC575)	Hex(91AA5B)	Hex(778F42)	Hex(5D762A)	Hex(445D11)	Hex(2C4500)	Hex(142F00)	Hex(001C00)
Hex(E5FEAA)		Ratio: 1.31 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 9.75 Passed ⁶	Ratio: 13.29 Passed ⁶	Ratio: 16.37 Passed ⁶
Hex(C8E18F)	Ratio: 1.31 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 7.47 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 12.54 Passed ⁶
Hex(ADC575)	Ratio: 1.73 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶	Ratio: 9.45 Passed ⁶
Hex(91AA5B)	Ratio: 2.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 6.95 AA ¹ AAA 18pt ⁴
Hex(778F42)	Ratio: 3.30 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴
Hex(5D762A)	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.51 AA 18pt ²
Hex(445D11)	Ratio: 6.77 AA ¹ AAA 18pt ⁴	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(2C4500)	Ratio: 9.75 Passed ⁶	Ratio: 7.47 Passed ⁶	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(142F00)	Ratio: 13.29 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 7.67 Passed ⁶	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(001C00)	Ratio: 16.37 Passed ⁶	Ratio: 12.54 Passed ⁶	Ratio: 9.45 Passed ⁶	Ratio: 6.95 AA ¹ AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.23 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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