

Converting Colors - WCAG Matrix

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

	Hex(455708)	Hex(FFFFFF7)	Hex(78893C)	Hex(93A354)	Hex(AEBE6E)	Hex(CADA88)	Hex(E6F6A2)	Hex(FFFFBE)	Hex(FFFDFA)
Hex(455708)		Ratio: 7.98 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 6.90 AA ¹ AAA 18pt ⁴	Ratio: 7.75 Passed ⁶	Ratio: 7.85 Passed ⁶
Hex(FFFFFF7)	Ratio: 7.98 Passed ⁶		Ratio: 3.84 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(78893C)	Ratio: 2.08 Failed ⁵	Ratio: 3.84 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 3.73 AA 18pt ²	Ratio: 3.78 AA 18pt ²
Hex(93A354)	Ratio: 2.90 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 2.70 Failed ⁵
Hex(AEBE6E)	Ratio: 3.97 AA 18pt ²	Ratio: 2.01 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(CADA88)	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 1.50 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(E6F6A2)	Ratio: 6.90 AA ¹ AAA 18pt ⁴	Ratio: 1.16 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.14 Failed ⁵
Hex(FFFFBE)	Ratio: 7.75 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFDFA)	Ratio: 7.85 Passed ⁶	Ratio: 1.02 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.14 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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