

Converting Colors - WCAG Matrix

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

	Hex(7ED6A4)	Hex(63BA8A)	Hex(479F70)	Hex(2A8458)	Hex(006A40)	Hex(00522A)	Hex(003A15)	Hex(002500)	Hex(000000)
Hex(7ED6A4)		Ratio: 1.35 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 7.45 Passed ⁶	Ratio: 9.52 Passed ⁶	Ratio: 12.04 Passed ⁶
Hex(63BA8A)	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.05 Passed ⁶	Ratio: 8.92 Passed ⁶
Hex(479F70)	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 6.46 AA ¹ AAA 18pt ⁴
Hex(2A8458)	Ratio: 2.65 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴
Hex(006A40)	Ratio: 3.84 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.14 AA 18pt ²
Hex(00522A)	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.24 Failed ⁵
Hex(003A15)	Ratio: 7.45 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(002500)	Ratio: 9.52 Passed ⁶	Ratio: 7.05 Passed ⁶	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 3.59 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.26 Failed ⁵
Hex(000000)	Ratio: 12.04 Passed ⁶	Ratio: 8.92 Passed ⁶	Ratio: 6.46 AA ¹ AAA 18pt ⁴	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.14 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.62 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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