

Converting Colors - WCAG Matrix

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

	Hex(A9D6A9)	Hex(8EBA8E)	Hex(749F75)	Hex(5B845C)	Hex(426B44)	Hex(2A532E)	Hex(123B18)	Hex(002500)	Hex(000900)	Hex(000000)
Hex(A9D6A9)		Ratio: 1.35 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 12.40 Passed ⁶	Ratio: 12.88 Passed ⁶
Hex(8EBA8E)	Ratio: 1.35 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 7.56 Passed ⁶	Ratio: 9.21 Passed ⁶	Ratio: 9.56 Passed ⁶
Hex(749F75)	Ratio: 1.85 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 6.96 AA ¹ AAA 18pt ⁴
Hex(5B845C)	Ratio: 2.63 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 4.90 AA ¹ AAA 18pt ⁴
Hex(426B44)	Ratio: 3.77 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 3.42 AA 18pt ²
Hex(2A532E)	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(123B18)	Ratio: 7.74 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(002500)	Ratio: 10.18 Passed ⁶	Ratio: 7.56 Passed ⁶	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(000900)	Ratio: 12.40 Passed ⁶	Ratio: 9.21 Passed ⁶	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 12.88 Passed ⁶	Ratio: 9.56 Passed ⁶	Ratio: 6.96 AA ¹ AAA 18pt ⁴	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.04 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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