

Converting Colors - WCAG Matrix

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

	Hex(AADCBD)	Hex(8FC0A1)	Hex(75A587)	Hex(5C8A6E)	Hex(437156)	Hex(2B583E)	Hex(124028)	Hex(002A14)	Hex(001500)	Hex(000000)
Hex(AADCBD)		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 10.20 Passed ⁶	Ratio: 12.36 Passed ⁶	Ratio: 13.68 Passed ⁶
Hex(8FC0A1)	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶	Ratio: 9.23 Passed ⁶	Ratio: 10.22 Passed ⁶
Hex(75A587)	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 7.49 Passed ⁶
Hex(5C8A6E)	Ratio: 2.57 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(437156)	Ratio: 3.66 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 3.74 AA 18pt ²
Hex(2B583E)	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.57 Failed ⁵
Hex(124028)	Ratio: 7.64 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.79 Failed ⁵
Hex(002A14)	Ratio: 10.20 Passed ⁶	Ratio: 7.62 Passed ⁶	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(001500)	Ratio: 12.36 Passed ⁶	Ratio: 9.23 Passed ⁶	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 13.68 Passed ⁶	Ratio: 10.22 Passed ⁶	Ratio: 7.49 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.11 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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