

Converting Colors - WCAG Matrix

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

	Hex(9FB3AD)	Hex(859892)	Hex(6B7E79)	Hex(536560)	Hex(3C4D48)	Hex(263732)	Hex(11211D)	Hex(000903)	Hex(000000)
Hex(9FB3AD)		Ratio: 1.38 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.56 Passed ⁶	Ratio: 9.16 Passed ⁶	Ratio: 9.53 Passed ⁶
Hex(859892)	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 6.90 AA ¹ AAA 18pt ⁴
Hex(6B7E79)	Ratio: 1.95 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 4.89 AA ¹ AAA 18pt ⁴
Hex(536560)	Ratio: 2.80 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.40 AA 18pt ²
Hex(3C4D48)	Ratio: 4.06 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(263732)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(11211D)	Ratio: 7.56 Passed ⁶	Ratio: 5.48 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(000903)	Ratio: 9.16 Passed ⁶	Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 9.53 Passed ⁶	Ratio: 6.90 AA ¹ AAA 18pt ⁴	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.40 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.68 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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