

Converting Colors - WCAG Matrix

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

	Hex(97B0B5)	Hex(7D959A)	Hex(647C80)	Hex(4B6367)	Hex(344B4F)	Hex(1E3438)	Hex(081F23)	Hex(00020D)	Hex(000000)
Hex(97B0B5)		Ratio: 1.39 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.47 Passed ⁶	Ratio: 9.06 Passed ⁶	Ratio: 9.19 Passed ⁶
Hex(7D959A)	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 6.54 AA ¹ AAA 18pt ⁴	Ratio: 6.64 AA ¹ AAA 18pt ⁴
Hex(647C80)	Ratio: 1.94 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 4.74 AA ¹ AAA 18pt ⁴
Hex(4B6367)	Ratio: 2.80 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 3.28 AA 18pt ²
Hex(344B4F)	Ratio: 4.06 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(1E3438)	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(081F23)	Ratio: 7.47 Passed ⁶	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 3.85 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(00020D)	Ratio: 9.06 Passed ⁶	Ratio: 6.54 AA ¹ AAA 18pt ⁴	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 9.19 Passed ⁶	Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.23 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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