

Converting Colors - WCAG Matrix

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

	Hex(97A7BE)	Hex(7D8DA3)	Hex(647389)	Hex(4B5B6F)	Hex(344357)	Hex(1D2D3F)	Hex(061929)	Hex(000115)	Hex(000000)
Hex(97A7BE)		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶	Ratio: 8.46 Passed ⁶	Ratio: 8.59 Passed ⁶
Hex(7D8DA3)	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 6.12 AA ¹ AAA 18pt ⁴	Ratio: 6.21 AA ¹ AAA 18pt ⁴
Hex(647389)	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.29 AA 18pt ²	Ratio: 4.36 AA 18pt ²
Hex(4B5B6F)	Ratio: 2.84 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.03 AA 18pt ²
Hex(344357)	Ratio: 4.12 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(1D2D3F)	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(061929)	Ratio: 7.28 Passed ⁶	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(000115)	Ratio: 8.46 Passed ⁶	Ratio: 6.12 AA ¹ AAA 18pt ⁴	Ratio: 4.29 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 8.59 Passed ⁶	Ratio: 6.21 AA ¹ AAA 18pt ⁴	Ratio: 4.36 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.02 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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