

Converting Colors - WCAG Matrix

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

Hex(83A9BF) Hex(99D5F7) Hex(838BBF) Hex(555B5E) Hex(00649E) Hex(00131F)

Hex(83A9BF)		Ratio: 1.57 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 7.54 Passed ⁶
Hex(99D5F7)	Ratio: 1.57 Failed ⁵		Ratio: 2.06 Failed ⁵	Ratio: 4.34 AA 18pt ²	Ratio: 3.98 AA 18pt ²	Ratio: 11.87 Passed ⁶
Hex(838BBF)	Ratio: 1.31 Failed ⁵	Ratio: 2.06 Failed ⁵		Ratio: 2.11 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 5.76 AA ¹ AAA 18pt ⁴
Hex(555B5E)	Ratio: 2.76 Failed ⁵	Ratio: 4.34 AA 18pt ²	Ratio: 2.11 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 2.74 Failed ⁵
Hex(00649E)	Ratio: 2.53 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 1.93 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 2.98 Failed ⁵
Hex(00131F)	Ratio: 7.54 Passed ⁶	Ratio: 11.87 Passed ⁶	Ratio: 5.76 AA ¹ AAA 18pt ⁴	Ratio: 2.74 Failed ⁵	Ratio: 2.98 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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