

Converting Colors - WCAG Matrix

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

	Hex(5C879E)	Hex(426E85)	Hex(29546B)	Hex(083D52)	Hex(00293B)	Hex(001426)	Hex(00000F)	Hex(000000)
Hex(5C879E)		Ratio: 1.42 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.92 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 5.41 AA ¹ AAA 18pt ⁴
Hex(426E85)	Ratio: 1.42 Failed ⁵		Ratio: 1.48 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 3.78 AA 18pt ²	Ratio: 3.80 AA 18pt ²
Hex(29546B)	Ratio: 2.10 Failed ⁵	Ratio: 1.48 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.57 Failed ⁵
Hex(083D52)	Ratio: 3.01 AA 18pt ²	Ratio: 2.11 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(00293B)	Ratio: 3.92 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(001426)	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(00000F)	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.13 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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