

Converting Colors - WCAG Matrix

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

Hex(99DBFF) Hex(85D4FF) Hex(99A8FF) Hex(737B80) Hex(007CBF) Hex(002940)

	Hex(99DBFF)	Hex(85D4FF)	Hex(99A8FF)	Hex(737B80)	Hex(007CBF)	Hex(002940)
Hex(99DBFF)		Ratio: 1.08 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 10.01 Passed ⁶
Hex(85D4FF)	Ratio: 1.08 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 9.24 Passed ⁶
Hex(99A8FF)	Ratio: 1.48 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.93 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 6.76 AA ¹ AAA 18pt ⁴
Hex(737B80)	Ratio: 2.86 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 1.93 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 3.50 AA 18pt ²
Hex(007CBF)	Ratio: 3.01 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 3.33 AA 18pt ²
Hex(002940)	Ratio: 10.01 Passed ⁶	Ratio: 9.24 Passed ⁶	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 3.33 AA 18pt ²	

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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