

Converting Colors - WCAG Matrix

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

Hex(99D5FF) Hex(85CDFF) Hex(99A3FF) Hex(737A80) Hex(0070BF) Hex(002540)

	Hex(99D5FF)	Hex(85CDFF)	Hex(99A3FF)	Hex(737A80)	Hex(0070BF)	Hex(002540)
Hex(99D5FF)		Ratio: 1.09 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 9.95 Passed ⁶
Hex(85CDFF)	Ratio: 1.09 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 9.09 Passed ⁶
Hex(99A3FF)	Ratio: 1.47 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.87 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 6.75 AA ¹ AAA 18pt ⁴
Hex(737A80)	Ratio: 2.76 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 1.87 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 3.60 AA 18pt ²
Hex(0070BF)	Ratio: 3.27 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 3.04 AA 18pt ²
Hex(002540)	Ratio: 9.95 Passed ⁶	Ratio: 9.09 Passed ⁶	Ratio: 6.75 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 3.04 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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