

Converting Colors - WCAG Matrix

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

Hex(88E9FF) Hex(70E5FF) Hex(88AEFF) Hex(737D80) Hex(009CBF) Hex(003440)

	Hex(88E9FF)	Hex(70E5FF)	Hex(88AEFF)	Hex(737D80)	Hex(009CBF)	Hex(003440)
Hex(88E9FF)		Ratio: 1.06 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 9.68 Passed ⁶
Hex(70E5FF)	Ratio: 1.06 Failed ⁵		Ratio: 1.50 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 9.16 Passed ⁶
Hex(88AEFF)	Ratio: 1.59 Failed ⁵	Ratio: 1.50 Failed ⁵		Ratio: 1.92 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 6.10 AA ¹ AAA 18pt ⁴
Hex(737D80)	Ratio: 3.04 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.92 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 3.18 AA 18pt ²
Hex(009CBF)	Ratio: 2.33 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 4.16 AA 18pt ²
Hex(003440)	Ratio: 9.68 Passed ⁶	Ratio: 9.16 Passed ⁶	Ratio: 6.10 AA ¹ AAA 18pt ⁴	Ratio: 3.18 AA 18pt ²	Ratio: 4.16 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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