

Converting Colors - WCAG Matrix

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

Hex(67E2FF) Hex(47DCFF) Hex(6797FF) Hex(737D80) Hex(009BBF) Hex(003440)

	Hex(67E2FF)	Hex(47DCFF)	Hex(6797FF)	Hex(737D80)	Hex(009BBF)	Hex(003440)
Hex(67E2FF)		Ratio: 1.07 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 8.88 Passed ⁶
Hex(47DCFF)	Ratio: 1.07 Failed ⁵		Ratio: 1.74 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 8.27 Passed ⁶
Hex(6797FF)	Ratio: 1.87 Failed ⁵	Ratio: 1.74 Failed ⁵		Ratio: 1.50 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 4.76 AA ¹ AAA 18pt ⁴
Hex(737D80)	Ratio: 2.79 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 1.50 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 3.18 AA 18pt ²
Hex(009BBF)	Ratio: 2.16 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 4.12 AA 18pt ²
Hex(003440)	Ratio: 8.88 Passed ⁶	Ratio: 8.27 Passed ⁶	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.18 AA 18pt ²	Ratio: 4.12 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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