

Converting Colors - WCAG Matrix

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

Hex(7AC9FF) Hex(5EBEFF) Hex(7A87FF) Hex(737A80) Hex(0072BF) Hex(002640)

Hex(7AC9FF)		Ratio: 1.13 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 8.60 Passed ⁶
Hex(5EBEFF)	Ratio: 1.13 Failed ⁵		Ratio: 1.53 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 7.61 Passed ⁶
Hex(7A87FF)	Ratio: 1.73 Failed ⁵	Ratio: 1.53 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 4.99 AA ¹ AAA 18pt ⁴
Hex(737A80)	Ratio: 2.41 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 3.57 AA 18pt ²
Hex(0072BF)	Ratio: 2.80 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 3.08 AA 18pt ²
Hex(002640)	Ratio: 8.60 Passed ⁶	Ratio: 7.61 Passed ⁶	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 3.08 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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