

Converting Colors - WCAG Matrix

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

Hex(40BDFF) Hex(19B0FF) Hex(4060FF) Hex(737B80) Hex(007DBF) Hex(002A40)

	Hex(40BDFF)	Hex(19B0FF)	Hex(4060FF)	Hex(737B80)	Hex(007DBF)	Hex(002A40)
Hex(40BDFF)		Ratio: 1.14 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 7.07 Passed ⁶
Hex(19B0FF)	Ratio: 1.14 Failed ⁵		Ratio: 2.01 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 6.19 AA ¹ AAA 18pt ⁴
Hex(4060FF)	Ratio: 2.29 Failed ⁵	Ratio: 2.01 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 3.09 AA 18pt ²
Hex(737B80)	Ratio: 2.04 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 3.47 AA 18pt ²
Hex(007DBF)	Ratio: 2.12 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 3.33 AA 18pt ²
Hex(002A40)	Ratio: 7.07 Passed ⁶	Ratio: 6.19 AA ¹ AAA 18pt ⁴	Ratio: 3.09 AA 18pt ²	Ratio: 3.47 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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