

Converting Colors - WCAG Matrix

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

Hex(909DFF) Hex(7A8AFF) Hex(B890FF) Hex(737480) Hex(0017BF) Hex(000840)

	Hex(909DFF)	Hex(7A8AFF)	Hex(B890FF)	Hex(737480)	Hex(0017BF)	Hex(000840)
Hex(909DFF)		Ratio: 1.22 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶
Hex(7A8AFF)	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 6.23 AA ¹ AAA 18pt ⁴
Hex(B890FF)	Ratio: 1.00 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.87 Failed ⁵	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶
Hex(737480)	Ratio: 1.86 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.87 Failed ⁵		Ratio: 2.42 Failed ⁵	Ratio: 4.09 AA 18pt ²
Hex(0017BF)	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 2.42 Failed ⁵		Ratio: 1.69 Failed ⁵
Hex(000840)	Ratio: 7.62 Passed ⁶	Ratio: 6.23 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 4.09 AA 18pt ²	Ratio: 1.69 Failed ⁵	

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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