

Converting Colors - WCAG Matrix

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

Hex(88AAE8) Hex(80ADFF) Hex(9588E8) Hex(676B73) Hex(0040B3) Hex(001133)

	Hex(88AAE8)	Hex(80ADFF)	Hex(9588E8)	Hex(676B73)	Hex(0040B3)	Hex(001133)
Hex(88AAE8)		Ratio: 1.04 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 7.95 Passed ⁶
Hex(80ADFF)	Ratio: 1.04 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 8.28 Passed ⁶
Hex(9588E8)	Ratio: 1.29 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.77 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 6.17 AA ¹ AAA 18pt ⁴
Hex(676B73)	Ratio: 2.28 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 1.77 Failed ⁵		Ratio: 1.65 Failed ⁵	Ratio: 3.48 AA 18pt ²
Hex(0040B3)	Ratio: 3.76 AA 18pt ²	Ratio: 3.92 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 1.65 Failed ⁵		Ratio: 2.11 Failed ⁵
Hex(001133)	Ratio: 7.95 Passed ⁶	Ratio: 8.28 Passed ⁶	Ratio: 6.17 AA ¹ AAA 18pt ⁴	Ratio: 3.48 AA 18pt ²	Ratio: 2.11 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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