

Converting Colors - WCAG Matrix

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

Hex(6B78FF) Hex(4D5CFF) Hex(A66BFF) Hex(737480) Hex(0011BF) Hex(000640)

	Hex(6B78FF)	Hex(4D5CFF)	Hex(A66BFF)	Hex(737480)	Hex(0011BF)	Hex(000640)
Hex(6B78FF)		Ratio: 1.34 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 3.14 AA 18pt ²	Ratio: 5.23 AA ¹ AAA 18pt ⁴
Hex(4D5CFF)	Ratio: 1.34 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 3.90 AA 18pt ²
Hex(A66BFF)	Ratio: 1.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴
Hex(737480)	Ratio: 1.27 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 2.48 Failed ⁵	Ratio: 4.13 AA 18pt ²
Hex(0011BF)	Ratio: 3.14 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 2.48 Failed ⁵		Ratio: 1.67 Failed ⁵
Hex(000640)	Ratio: 5.23 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 1.67 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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