

Converting Colors - WCAG Matrix

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

Hex(271FFF) Hex(BFBDFE) Hex(1FF8FF) Hex(5A5880) Hex(000000) Hex(808080)

	Hex(271FFF)	Hex(BFBDFE)	Hex(1FF8FF)	Hex(5A5880)	Hex(000000)	Hex(808080)
Hex(271FFF)		Ratio: 4.38 AA 18pt ²	Ratio: 5.84 AA ¹ AAA 18pt ⁴	Ratio: 1.15 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(BFBDFE)	Ratio: 4.38 AA 18pt ²		Ratio: 1.33 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 11.94 Passed ⁶	Ratio: 2.25 Failed ⁵
Hex(1FF8FF)	Ratio: 5.84 AA ¹ AAA 18pt ⁴	Ratio: 1.33 Failed ⁵		Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 15.93 Passed ⁶	Ratio: 3.00 AA 18pt ²
Hex(5A5880)	Ratio: 1.15 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴		Ratio: 3.14 AA 18pt ²	Ratio: 1.69 Failed ⁵
Hex(000000)	Ratio: 2.73 Failed ⁵	Ratio: 11.94 Passed ⁶	Ratio: 15.93 Passed ⁶	Ratio: 3.14 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.95 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 1.69 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

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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