

Converting Colors - WCAG Matrix

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

Hex(9AE5FF) Hex(E0F7FF) Hex(9AFFB3) Hex(6E7B80) Hex(000000) Hex(808080)

	Hex(9AE5FF)	Hex(E0F7FF)	Hex(9AFFB3)	Hex(6E7B80)	Hex(000000)	Hex(808080)
Hex(9AE5FF)		Ratio: 1.26 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 15.03 Passed ⁶	Ratio: 2.83 Failed ⁵
Hex(E0F7FF)	Ratio: 1.26 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 18.92 Passed ⁶	Ratio: 3.56 AA 18pt ²
Hex(9AFFB3)	Ratio: 1.15 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 3.60 AA 18pt ²	Ratio: 17.33 Passed ⁶	Ratio: 3.26 AA 18pt ²
Hex(6E7B80)	Ratio: 3.13 AA 18pt ²	Ratio: 3.93 AA 18pt ²	Ratio: 3.60 AA 18pt ²		Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 15.03 Passed ⁶	Ratio: 18.92 Passed ⁶	Ratio: 17.33 Passed ⁶	Ratio: 4.81 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.83 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 3.26 AA 18pt ²	Ratio: 1.11 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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