

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(9AE0F8) Hex(E3F8FF) Hex(9AF8B1) Hex(6F7B80) Hex(000000) Hex(808080)

Hex(9AE0F8)		Ratio: 1.33 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 14.39 Passed ⁶	Ratio: 2.71 Failed ⁵
Hex(E3F8FF)	Ratio: 1.33 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 19.14 Passed ⁶	Ratio: 3.60 AA 18pt ²
Hex(9AF8B1)	Ratio: 1.14 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 3.41 AA 18pt ²	Ratio: 16.44 Passed ⁶	Ratio: 3.09 AA 18pt ²
Hex(6F7B80)	Ratio: 2.99 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 3.41 AA 18pt ²		Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵
Hex(000000)	Ratio: 14.39 Passed ⁶	Ratio: 19.14 Passed ⁶	Ratio: 16.44 Passed ⁶	Ratio: 4.82 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.71 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 1.10 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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