

Converting Colors - WCAG Matrix

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

Hex(A6E6FF) Hex(E3F7FF) Hex(A6FFBF) Hex(6F7B80) Hex(000000) Hex(808080)

	Hex(A6E6FF)	Hex(E3F7FF)	Hex(A6FFBF)	Hex(6F7B80)	Hex(000000)	Hex(808080)
Hex(A6E6FF)		Ratio: 1.24 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 3.19 AA 18pt ²	Ratio: 15.38 Passed ⁶	Ratio: 2.89 Failed ⁵
Hex(E3F7FF)	Ratio: 1.24 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 19.01 Passed ⁶	Ratio: 3.58 AA 18pt ²
Hex(A6FFBF)	Ratio: 1.15 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 3.67 AA 18pt ²	Ratio: 17.68 Passed ⁶	Ratio: 3.32 AA 18pt ²
Hex(6F7B80)	Ratio: 3.19 AA 18pt ²	Ratio: 3.94 AA 18pt ²	Ratio: 3.67 AA 18pt ²		Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵
Hex(000000)	Ratio: 15.38 Passed ⁶	Ratio: 19.01 Passed ⁶	Ratio: 17.68 Passed ⁶	Ratio: 4.82 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.89 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 3.32 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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