

Converting Colors - WCAG Matrix

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

Hex(A6EBFF) Hex(E6F9FF) Hex(A6FFBA) Hex(707C80) Hex(000000) Hex(808080)

	Hex(A6EBFF)	Hex(E6F9FF)	Hex(A6FFBA)	Hex(707C80)	Hex(000000)	Hex(808080)
Hex(A6EBFF)		Ratio: 1.21 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 15.95 Passed ⁶	Ratio: 3.00 AA 18pt ²
Hex(E6F9FF)	Ratio: 1.21 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 19.36 Passed ⁶	Ratio: 3.64 AA 18pt ²
Hex(A6FFBA)	Ratio: 1.11 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 3.61 AA 18pt ²	Ratio: 17.63 Passed ⁶	Ratio: 3.32 AA 18pt ²
Hex(707C80)	Ratio: 3.27 AA 18pt ²	Ratio: 3.96 AA 18pt ²	Ratio: 3.61 AA 18pt ²		Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 15.95 Passed ⁶	Ratio: 19.36 Passed ⁶	Ratio: 17.63 Passed ⁶	Ratio: 4.88 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.00 AA 18pt ²	Ratio: 3.64 AA 18pt ²	Ratio: 3.32 AA 18pt ²	Ratio: 1.09 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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