

Converting Colors - WCAG Matrix

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

Hex(A999FF) Hex(E5E0FF) Hex(99F0FF) Hex(706E80) Hex(000000) Hex(808080)

	Hex(A999FF)	Hex(E5E0FF)	Hex(99F0FF)	Hex(706E80)	Hex(000000)	Hex(808080)
Hex(A999FF)		Ratio: 1.89 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 8.69 Passed ⁶	Ratio: 1.63 Failed ⁵
Hex(E5E0FF)	Ratio: 1.89 Failed ⁵		Ratio: 1.01 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 16.44 Passed ⁶	Ratio: 3.09 AA 18pt ²
Hex(99F0FF)	Ratio: 1.87 Failed ⁵	Ratio: 1.01 Failed ⁵		Ratio: 3.84 AA 18pt ²	Ratio: 16.26 Passed ⁶	Ratio: 3.06 AA 18pt ²
Hex(706E80)	Ratio: 2.05 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 3.84 AA 18pt ²		Ratio: 4.23 AA 18pt ²	Ratio: 1.26 Failed ⁵
Hex(000000)	Ratio: 8.69 Passed ⁶	Ratio: 16.44 Passed ⁶	Ratio: 16.26 Passed ⁶	Ratio: 4.23 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.63 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 1.26 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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