

Converting Colors - WCAG Matrix

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

Hex(B9B7CA) Hex(F8F7FF) Hex(B7C8CA) Hex(7B7A80) Hex(000000) Hex(808080)

	Hex(B9B7CA)	Hex(F8F7FF)	Hex(B7C8CA)	Hex(7B7A80)	Hex(000000)	Hex(808080)
Hex(B9B7CA)		Ratio: 1.85 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 10.69 Passed ⁶	Ratio: 2.01 Failed ⁵
Hex(F8F7FF)	Ratio: 1.85 Failed ⁵		Ratio: 1.63 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 19.74 Passed ⁶	Ratio: 3.71 AA 18pt ²
Hex(B7C8CA)	Ratio: 1.13 Failed ⁵	Ratio: 1.63 Failed ⁵		Ratio: 2.46 Failed ⁵	Ratio: 12.13 Passed ⁶	Ratio: 2.28 Failed ⁵
Hex(7B7A80)	Ratio: 2.16 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 2.46 Failed ⁵		Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 10.69 Passed ⁶	Ratio: 19.74 Passed ⁶	Ratio: 12.13 Passed ⁶	Ratio: 4.94 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.01 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.08 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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