

Converting Colors - WCAG Matrix

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

Hex(BB83FF) Hex(EAD9FF) Hex(83C7FF) Hex(736980) Hex(000000) Hex(808080)

	Hex(BB83FF)	Hex(EAD9FF)	Hex(83C7FF)	Hex(736980)	Hex(000000)	Hex(808080)
Hex(BB83FF)		Ratio: 2.03 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 7.80 Passed ⁶	Ratio: 1.47 Failed ⁵
Hex(EAD9FF)	Ratio: 2.03 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 15.87 Passed ⁶	Ratio: 2.98 Failed ⁵
Hex(83C7FF)	Ratio: 1.48 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 2.85 Failed ⁵	Ratio: 11.58 Passed ⁶	Ratio: 2.18 Failed ⁵
Hex(736980)	Ratio: 1.92 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 2.85 Failed ⁵		Ratio: 4.06 AA 18pt ²	Ratio: 1.31 Failed ⁵
Hex(000000)	Ratio: 7.80 Passed ⁶	Ratio: 15.87 Passed ⁶	Ratio: 11.58 Passed ⁶	Ratio: 4.06 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.47 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.31 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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