

Converting Colors - WCAG Matrix

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

Hex(B9EEFF) Hex(EBFAFF) Hex(B9FFCA) Hex(737C80) Hex(000000) Hex(808080)

	Hex(B9EEFF)	Hex(EBFAFF)	Hex(B9FFCA)	Hex(737C80)	Hex(000000)	Hex(808080)
Hex(B9EEFF)		Ratio: 1.17 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 16.74 Passed ⁶	Ratio: 3.15 AA 18pt ²
Hex(EBFAFF)	Ratio: 1.17 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 19.65 Passed ⁶	Ratio: 3.70 AA 18pt ²
Hex(B9FFCA)	Ratio: 1.09 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 3.70 AA 18pt ²	Ratio: 18.22 Passed ⁶	Ratio: 3.43 AA 18pt ²
Hex(737C80)	Ratio: 3.40 AA 18pt ²	Ratio: 3.99 AA 18pt ²	Ratio: 3.70 AA 18pt ²		Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 16.74 Passed ⁶	Ratio: 19.65 Passed ⁶	Ratio: 18.22 Passed ⁶	Ratio: 4.92 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 3.15 AA 18pt ²	Ratio: 3.70 AA 18pt ²	Ratio: 3.43 AA 18pt ²	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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