

Converting Colors - WCAG Matrix

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

Hex(B7CDE1) Hex(F0F8FF) Hex(B7E1CB) Hex(777B80) Hex(000000) Hex(808080)

	Hex(B7CDE1)	Hex(F0F8FF)	Hex(B7E1CB)	Hex(777B80)	Hex(000000)	Hex(808080)
Hex(B7CDE1)		Ratio: 1.53 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 12.83 Passed ⁶	Ratio: 2.41 Failed ⁵
Hex(F0F8FF)	Ratio: 1.53 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 19.58 Passed ⁶	Ratio: 3.68 AA 18pt ²
Hex(B7E1CB)	Ratio: 1.14 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 2.97 Failed ⁵	Ratio: 14.65 Passed ⁶	Ratio: 2.75 Failed ⁵
Hex(777B80)	Ratio: 2.60 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 2.97 Failed ⁵		Ratio: 4.93 AA ¹ AAA 18pt ⁴	Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 12.83 Passed ⁶	Ratio: 19.58 Passed ⁶	Ratio: 14.65 Passed ⁶	Ratio: 4.93 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.41 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 2.75 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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