

Converting Colors - WCAG Matrix

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

Hex(BBC9CD) Hex(F7FDFF) Hex(BBCDBF) Hex(7A7E80) Hex(000000) Hex(808080)

	Hex(BBC9CD)	Hex(F7FDFF)	Hex(BBCDBF)	Hex(7A7E80)	Hex(000000)	Hex(808080)
Hex(BBC9CD)		Ratio: 1.66 Failed⁵	Ratio: 1.02 Failed⁵	Ratio: 2.41 Failed⁵	Ratio: 12.35 Passed⁶	Ratio: 2.32 Failed⁵
Hex(F7FDFF)	Ratio: 1.66 Failed⁵		Ratio: 1.62 Failed⁵	Ratio: 3.99 AA 18pt²	Ratio: 20.45 Passed⁶	Ratio: 3.85 AA 18pt²
Hex(BBCDBF)	Ratio: 1.02 Failed⁵	Ratio: 1.62 Failed⁵		Ratio: 2.46 Failed⁵	Ratio: 12.60 Passed⁶	Ratio: 2.37 Failed⁵
Hex(7A7E80)	Ratio: 2.41 Failed⁵	Ratio: 3.99 AA 18pt²	Ratio: 2.46 Failed⁵		Ratio: 5.12 AA¹ AAA 18pt⁴	Ratio: 1.04 Failed⁵
Hex(000000)	Ratio: 12.35 Passed⁶	Ratio: 20.45 Passed⁶	Ratio: 12.60 Passed⁶	Ratio: 5.12 AA¹ AAA 18pt⁴		Ratio: 5.32 AA¹ AAA 18pt⁴
Hex(808080)	Ratio: 2.32 Failed⁵	Ratio: 3.85 AA 18pt²	Ratio: 2.37 Failed⁵	Ratio: 1.04 Failed⁵	Ratio: 5.32 AA¹ AAA 18pt⁴	

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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