

Converting Colors - WCAG Matrix

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

Hex(CCBDE3) Hex(F7F2FF) Hex(BDD4E3) Hex(7A7880) Hex(000000) Hex(808080)

	Hex(CCBDE3)	Hex(F7F2FF)	Hex(BDD4E3)	Hex(7A7880)	Hex(000000)	Hex(808080)
Hex(CCBDE3)		Ratio: 1.60 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 11.96 Passed ⁶	Ratio: 2.25 Failed ⁵
Hex(F7F2FF)	Ratio: 1.60 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 19.10 Passed ⁶	Ratio: 3.59 AA 18pt ²
Hex(BDD4E3)	Ratio: 1.15 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 2.84 Failed ⁵	Ratio: 13.69 Passed ⁶	Ratio: 2.57 Failed ⁵
Hex(7A7880)	Ratio: 2.48 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 2.84 Failed ⁵		Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵
Hex(000000)	Ratio: 11.96 Passed ⁶	Ratio: 19.10 Passed ⁶	Ratio: 13.69 Passed ⁶	Ratio: 4.83 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.25 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.10 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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