

Converting Colors - WCAG Matrix

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

Hex(CCB8B8) Hex(FFF7F7) Hex(CCB8CC) Hex(807A7A) Hex(000000) Hex(808080)

	Hex(CCB8B8)	Hex(FFF7F7)	Hex(CCB8CC)	Hex(807A7A)	Hex(000000)	Hex(808080)
Hex(CCB8B8)		Ratio: 1.79 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 11.12 Passed ⁶	Ratio: 2.09 Failed ⁵
Hex(FFF7F7)	Ratio: 1.79 Failed ⁵		Ratio: 1.76 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 19.90 Passed ⁶	Ratio: 3.74 AA 18pt ²
Hex(CCB8CC)	Ratio: 1.02 Failed ⁵	Ratio: 1.76 Failed ⁵		Ratio: 2.27 Failed ⁵	Ratio: 11.30 Passed ⁶	Ratio: 2.12 Failed ⁵
Hex(807A7A)	Ratio: 2.23 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 2.27 Failed ⁵		Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 11.12 Passed ⁶	Ratio: 19.90 Passed ⁶	Ratio: 11.30 Passed ⁶	Ratio: 4.98 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.09 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 2.12 Failed ⁵	Ratio: 1.07 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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