

Converting Colors - WCAG Matrix

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

Hex(D7C4D8) Hex(FFF7FF) Hex(C4C5D8) Hex(7F7A80) Hex(000000) Hex(808080)

	Hex(D7C4D8)	Hex(FFF7FF)	Hex(C4C5D8)	Hex(7F7A80)	Hex(000000)	Hex(808080)
Hex(D7C4D8)		Ratio: 1.57 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 12.78 Passed ⁶	Ratio: 2.40 Failed ⁵
Hex(FFF7FF)	Ratio: 1.57 Failed ⁵		Ratio: 1.62 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 20.00 Passed ⁶	Ratio: 3.76 AA 18pt ²
Hex(C4C5D8)	Ratio: 1.04 Failed ⁵	Ratio: 1.62 Failed ⁵		Ratio: 2.47 Failed ⁵	Ratio: 12.33 Passed ⁶	Ratio: 2.32 Failed ⁵
Hex(7F7A80)	Ratio: 2.56 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 2.47 Failed ⁵		Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 12.78 Passed ⁶	Ratio: 20.00 Passed ⁶	Ratio: 12.33 Passed ⁶	Ratio: 5.00 AA ¹ AAA 18pt ⁴		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 2.40 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.06 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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