

Converting Colors - WCAG Matrix

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

Hex(FF8BC2) Hex(FFDBEC) Hex(C78BFF) Hex(806A74) Hex(000000) Hex(808080)

	Hex(FF8BC2)	Hex(FFDBEC)	Hex(C78BFF)	Hex(806A74)	Hex(000000)	Hex(808080)
Hex(FF8BC2)		Ratio: 1.71 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 9.72 Passed ⁶	Ratio: 1.83 Failed ⁵
Hex(FFDBEC)	Ratio: 1.71 Failed ⁵		Ratio: 1.94 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 16.60 Passed ⁶	Ratio: 3.12 AA 18pt ²
Hex(C78BFF)	Ratio: 1.14 Failed ⁵	Ratio: 1.94 Failed ⁵		Ratio: 2.02 Failed ⁵	Ratio: 8.57 Passed ⁶	Ratio: 1.61 Failed ⁵
Hex(806A74)	Ratio: 2.30 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 2.02 Failed ⁵		Ratio: 4.23 AA 18pt ²	Ratio: 1.26 Failed ⁵
Hex(000000)	Ratio: 9.72 Passed ⁶	Ratio: 16.60 Passed ⁶	Ratio: 8.57 Passed ⁶	Ratio: 4.23 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.83 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 1.61 Failed ⁵	Ratio: 1.26 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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