

Converting Colors - WCAG Matrix

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

Hex(CF76C8) Hex(FFDEFD) Hex(7C76CF) Hex(806B7E) Hex(000000) Hex(808080)

	Hex(CF76C8)	Hex(FFDEFD)	Hex(7C76CF)	Hex(806B7E)	Hex(000000)	Hex(808080)
Hex(CF76C8)		Ratio: 2.42 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 7.08 Passed ⁶	Ratio: 1.33 Failed ⁵
Hex(FFDEFD)	Ratio: 2.42 Failed ⁵		Ratio: 3.20 AA 18pt ²	Ratio: 3.96 AA 18pt ²	Ratio: 17.12 Passed ⁶	Ratio: 3.22 AA 18pt ²
Hex(7C76CF)	Ratio: 1.32 Failed ⁵	Ratio: 3.20 AA 18pt ²		Ratio: 1.24 Failed ⁵	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵
Hex(806B7E)	Ratio: 1.64 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 1.24 Failed ⁵		Ratio: 4.32 AA 18pt ²	Ratio: 1.23 Failed ⁵
Hex(000000)	Ratio: 7.08 Passed ⁶	Ratio: 17.12 Passed ⁶	Ratio: 5.35 AA ¹ AAA 18pt ⁴	Ratio: 4.32 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.33 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 1.01 Failed ⁵	Ratio: 1.23 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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