

Converting Colors - WCAG Matrix

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

Hex(997AE4) Hex(E6DBFF) Hex(7AC6E4) Hex(706A80) Hex(000000) Hex(808080)

	Hex(997AE4)	Hex(E6DBFF)	Hex(7AC6E4)	Hex(706A80)	Hex(000000)	Hex(808080)
Hex(997AE4)		Ratio: 2.55 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 6.26 AA ¹ AAA 18pt ⁴	Ratio: 1.18 Failed ⁵
Hex(E6DBFF)	Ratio: 2.55 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 15.94 Passed ⁶	Ratio: 3.00 AA 18pt ²
Hex(7AC6E4)	Ratio: 1.76 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 2.71 Failed ⁵	Ratio: 11.03 Passed ⁶	Ratio: 2.07 Failed ⁵
Hex(706A80)	Ratio: 1.54 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 2.71 Failed ⁵		Ratio: 4.06 AA 18pt ²	Ratio: 1.31 Failed ⁵
Hex(000000)	Ratio: 6.26 AA ¹ AAA 18pt ⁴	Ratio: 15.94 Passed ⁶	Ratio: 11.03 Passed ⁶	Ratio: 4.06 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.18 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.31 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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