

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(C78278) Hex(FFE3E0) Hex(C778BF) Hex(80706E) Hex(000000) Hex(808080)

Hex(C78278)		Ratio: 2.51 Failed⁵	Ratio: 1.00 Failed⁵	Ratio: 1.55 Failed⁵	Ratio: 6.89 AA¹ AAA 18pt⁴	Ratio: 1.30 Failed⁵
Hex(FFE3E0)	Ratio: 2.51 Failed⁵		Ratio: 2.52 Failed⁵	Ratio: 3.88 AA 18pt²	Ratio: 17.32 Passed⁶	Ratio: 3.26 AA 18pt²
Hex(C778BF)	Ratio: 1.00 Failed⁵	Ratio: 2.52 Failed⁵		Ratio: 1.54 Failed⁵	Ratio: 6.87 AA¹ AAA 18pt⁴	Ratio: 1.29 Failed⁵
Hex(80706E)	Ratio: 1.55 Failed⁵	Ratio: 3.88 AA 18pt²	Ratio: 1.54 Failed⁵		Ratio: 4.46 AA 18pt²	Ratio: 1.19 Failed⁵
Hex(000000)	Ratio: 6.89 AA¹ AAA 18pt⁴	Ratio: 17.32 Passed⁶	Ratio: 6.87 AA¹ AAA 18pt⁴	Ratio: 4.46 AA 18pt²		Ratio: 5.32 AA¹ AAA 18pt⁴
Hex(808080)	Ratio: 1.30 Failed⁵	Ratio: 3.26 AA 18pt²	Ratio: 1.29 Failed⁵	Ratio: 1.19 Failed⁵	Ratio: 5.32 AA¹ AAA 18pt⁴	

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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