

Converting Colors - WCAG Matrix

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

Hex(784658) Hex(FFFFFF) Hex(AE778A) Hex(C991A4) Hex(E6ACBF) Hex(FFC8DB) Hex(FFE4F7)

	Hex(784658)	Hex(FFFFFF)	Hex(AE778A)	Hex(C991A4)	Hex(E6ACBF)	Hex(FFC8DB)	Hex(FFE4F7)
Hex(784658)		Ratio: 7.46 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 6.28 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 7.46 Passed ⁶		Ratio: 3.62 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(AE778A)	Ratio: 2.06 Failed ⁵	Ratio: 3.62 AA 18pt ²		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.05 AA 18pt ²
Hex(C991A4)	Ratio: 2.87 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.19 Failed ⁵
Hex(E6ACBF)	Ratio: 3.91 AA 18pt ²	Ratio: 1.91 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(FFC8DB)	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFE4F7)	Ratio: 6.28 AA ¹ AAA 18pt ⁴	Ratio: 1.19 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.22 Failed ⁵	

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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