

Converting Colors - WCAG Matrix

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

	Hex(712839)	Hex(FFFFFF)	Hex(A85968)	Hex(C47381)	Hex(E18D9B)	Hex(FFA8B6)	Hex(FFC4D1)	Hex(FFE0ED)	Hex(FFDFFF)
Hex(712839)		Ratio: 10.17 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 8.30 Passed ⁶	Ratio: 10.05 Passed ⁶
Hex(FFFFFF)	Ratio: 10.17 Passed ⁶		Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(A85968)	Ratio: 2.08 Failed ⁵	Ratio: 4.89 AA ¹ AAA 18pt ⁴		Ratio: 1.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 3.99 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴
Hex(C47381)	Ratio: 2.96 Failed ⁵	Ratio: 3.43 AA 18pt ²	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.39 AA 18pt ²
Hex(E18D9B)	Ratio: 4.11 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(FFA8B6)	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 1.82 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(FFC4D1)	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 1.49 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(FFE0ED)	Ratio: 8.30 Passed ⁶	Ratio: 1.23 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFDFFF)	Ratio: 10.05 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.21 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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