

Converting Colors - WCAG Matrix

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

	Hex(6A1837)	Hex(FFFFFF)	Hex(A14B66)	Hex(BD657F)	Hex(DA7F98)	Hex(F89AB3)	Hex(FFB5CF)	Hex(FFD1EB)	Hex(FFEEFF)
Hex(6A1837)		Ratio: 11.68 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.10 Passed ⁶	Ratio: 8.66 Passed ⁶	Ratio: 10.52 Passed ⁶
Hex(FFFFFF)	Ratio: 11.68 Passed ⁶		Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(A14B66)	Ratio: 2.06 Failed ⁵	Ratio: 5.65 AA ¹ AAA 18pt ⁴		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.19 AA 18pt ²	Ratio: 5.10 AA ¹ AAA 18pt ⁴
Hex(BD657F)	Ratio: 2.96 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 3.55 AA 18pt ²
Hex(DA7F98)	Ratio: 4.15 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(F89AB3)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 2.05 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(FFB5CF)	Ratio: 7.10 Passed ⁶	Ratio: 1.65 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(FFD1EB)	Ratio: 8.66 Passed ⁶	Ratio: 1.35 Failed ⁵	Ratio: 4.19 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFEEFF)	Ratio: 10.52 Passed ⁶	Ratio: 1.11 Failed ⁵	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.48 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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