

Converting Colors - WCAG Matrix

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

	Hex(9F0C31)	Hex(FFFFFF)	Hex(DC4F5F)	Hex(FB6B78)	Hex(FF8792)	Hex(FFA3AC)	Hex(FFBFC7)	Hex(FFDCE3)	Hex(FFFAFF)
Hex(9F0C31)		Ratio: 8.17 Passed ⁶	Ratio: 2.07 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 4.31 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 6.46 AA ¹ AAA 18pt ⁴	Ratio: 7.92 Passed ⁶
Hex(FFFFFF)	Ratio: 8.17 Passed ⁶		Ratio: 3.94 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(DC4F5F)	Ratio: 2.07 Failed ⁵	Ratio: 3.94 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.82 AA 18pt ²
Hex(FB6B78)	Ratio: 2.91 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.72 Failed ⁵
Hex(FF8792)	Ratio: 3.55 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(FFA3AC)	Ratio: 4.31 AA 18pt ²	Ratio: 1.89 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.84 Failed ⁵
Hex(FFBFC7)	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 1.55 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(FFDCE3)	Ratio: 6.46 AA ¹ AAA 18pt ⁴	Ratio: 1.27 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(FFFAFF)	Ratio: 7.92 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 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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