

Converting Colors - WCAG Matrix

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

	Hex(B80034)	Hex(D7324A)	Hex(F75162)	Hex(FF6E7B)	Hex(FF8B95)	Hex(FFA8AF)	Hex(FFC5CB)	Hex(FFE2E7)	Hex(FFFFFF)
Hex(B80034)		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.72 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 6.80 AA ¹ AAA 18pt ⁴
Hex(D7324A)	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 3.89 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴
Hex(F75162)	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.33 AA 18pt ²
Hex(FF6E7B)	Ratio: 2.52 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.70 Failed ⁵
Hex(FF8B95)	Ratio: 3.04 AA 18pt ²	Ratio: 2.11 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.24 Failed ⁵
Hex(FFA8AF)	Ratio: 3.72 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(FFC5CB)	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.17 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(FFE2E7)	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(FFFFFF)	Ratio: 6.80 AA ¹ AAA 18pt ⁴	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.49 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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