

Converting Colors - WCAG Matrix

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

	Hex(8A0036)	Hex(FFFFFF)	Hex(C54764)	Hex(E3627D)	Hex(FF7D97)	Hex(FF99B2)	Hex(FFB5CD)	Hex(FFD2E9)	Hex(FFEEFF)
Hex(8A0036)		Ratio: 9.84 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 5.97 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶	Ratio: 8.92 Passed ⁶
Hex(FFFFFF)	Ratio: 9.84 Passed ⁶		Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 3.33 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(C54764)	Ratio: 2.09 Failed ⁵	Ratio: 4.71 AA ¹ AAA 18pt ⁴		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.27 AA 18pt ²
Hex(E3627D)	Ratio: 2.96 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 1.41 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.02 AA 18pt ²
Hex(FF7D97)	Ratio: 4.05 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(FF99B2)	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 2.01 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(FFB5CD)	Ratio: 5.97 AA ¹ AAA 18pt ⁴	Ratio: 1.65 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(FFD2E9)	Ratio: 7.33 Passed ⁶	Ratio: 1.34 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFEEFF)	Ratio: 8.92 Passed ⁶	Ratio: 1.10 Failed ⁵	Ratio: 4.27 AA 18pt ²	Ratio: 3.02 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.49 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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