

Converting Colors - WCAG Matrix

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

	Hex(A2002B)	Hex(C12E41)	Hex(E04C58)	Hex(FF6871)	Hex(FF848A)	Hex(FFA0A4)	Hex(FFBDBF)	Hex(FFDADB)	Hex(FFF7F8)	Hex(FFFFFF)
Hex(A2002B)		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.21 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 6.34 AA ¹ AAA 18pt ⁴	Ratio: 7.74 Passed ⁶	Ratio: 8.17 Passed ⁶
Hex(C12E41)	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 4.37 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 5.62 AA ¹ AAA 18pt ⁴
Hex(E04C58)	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 3.73 AA 18pt ²	Ratio: 3.93 AA 18pt ²
Hex(FF6871)	Ratio: 2.91 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 2.81 Failed ⁵
Hex(FF848A)	Ratio: 3.47 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(FFA0A4)	Ratio: 4.21 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.94 Failed ⁵
Hex(FFBDBF)	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(FFDADB)	Ratio: 6.34 AA ¹ AAA 18pt ⁴	Ratio: 4.37 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(FFF7F8)	Ratio: 7.74 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(FFFFFF)	Ratio: 8.17 Passed ⁶	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.05 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.

This PDF was generated on convertingcolors.com.