

Converting Colors - WCAG Matrix

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

	Hex(EB2F2F)	Hex(FF5146)	Hex(FF6F5F)	Hex(FF8C78)	Hex(FFA992)	Hex(FFC7AC)	Hex(FFE5C8)	Hex(FFFE4)	Hex(FFFFFF)
Hex(EB2F2F)		Ratio: 1.31 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.15 AA 18pt ²	Ratio: 4.22 AA 18pt ²
Hex(FF5146)	Ratio: 1.31 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 3.22 AA 18pt ²
Hex(FF6F5F)	Ratio: 1.54 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 2.73 Failed ⁵
Hex(FF8C78)	Ratio: 1.86 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(FFA992)	Ratio: 2.28 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(FFC7AC)	Ratio: 2.81 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(FFE5C8)	Ratio: 3.47 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(FFFE4)	Ratio: 4.15 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFFF)	Ratio: 4.22 AA 18pt ²	Ratio: 3.22 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.02 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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