

Converting Colors - WCAG Matrix

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

	Hex(ED000B)	Hex(FFFFFF)	Hex(F5D3F)	Hex(FF7B58)	Hex(FF9A71)	Hex(FFB78C)	Hex(FFD5A7)	Hex(FFF4C2)	Hex(FFFDFD)
Hex(ED000B)		Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 1.50 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 4.12 AA 18pt ²	Ratio: 4.48 AA 18pt ²
Hex(FFFFFF)	Ratio: 4.55 AA ¹ AAA 18pt ⁴		Ratio: 3.04 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(F5D3F)	Ratio: 1.50 Failed ⁵	Ratio: 3.04 AA 18pt ²		Ratio: 1.19 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(FF7B58)	Ratio: 1.79 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(FF9A71)	Ratio: 2.20 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(FFB78C)	Ratio: 2.69 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(FFD5A7)	Ratio: 3.33 AA 18pt ²	Ratio: 1.37 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(FFF4C2)	Ratio: 4.12 AA 18pt ²	Ratio: 1.10 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(FFFDFD)	Ratio: 4.48 AA 18pt ²	Ratio: 1.02 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.09 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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