

Converting Colors - WCAG Matrix

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

	Hex(EB0000)	Hex(FF3A1F)	Hex(FF5C38)	Hex(FF7B51)	Hex(FF996B)	Hex(FFB785)	Hex(FFD5A0)	Hex(FFF3BC)	Hex(FFFFD8)	Hex(FFFFFF5)
Hex(EB0000)		Ratio: 1.30 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 4.15 AA 18pt ²	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 4.61 AA ¹ AAA 18pt ⁴
Hex(FF3A1F)	Ratio: 1.30 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 3.50 AA 18pt ²	Ratio: 3.55 AA 18pt ²
Hex(FF5C38)	Ratio: 1.51 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 3.05 AA 18pt ²
Hex(FF7B51)	Ratio: 1.81 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(FF996B)	Ratio: 2.21 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(FFB785)	Ratio: 2.73 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(FFD5A0)	Ratio: 3.37 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(FFF3BC)	Ratio: 4.15 AA 18pt ²	Ratio: 3.20 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(FFFFD8)	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(FFFFFF5)	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.11 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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