

Converting Colors - WCAG Matrix

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

	Hex(B30E00)	Hex(FFFEB)	Hex(F45332)	Hex(FF704A)	Hex(FF8C63)	Hex(FFA87D)	Hex(FFC597)	Hex(FFE2B2)	Hex(FFFFCE)
Hex(B30E00)		Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 2.06 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.74 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 6.86 AA ¹ AAA 18pt ⁴
Hex(FFFEB)	Ratio: 6.97 AA ¹ AAA 18pt ⁴		Ratio: 3.39 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.02 Failed ⁵
Hex(F45332)	Ratio: 2.06 Failed ⁵	Ratio: 3.39 AA 18pt ²		Ratio: 1.25 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.34 AA 18pt ²
Hex(FF704A)	Ratio: 2.57 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.67 Failed ⁵
Hex(FF8C63)	Ratio: 3.08 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(FFA87D)	Ratio: 3.74 AA 18pt ²	Ratio: 1.86 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(FFC597)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 1.52 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(FFE2B2)	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 1.24 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFFFCE)	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.83 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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