

Converting Colors - WCAG Matrix

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

	Hex(B10002)	Hex(FFFEB)	Hex(F14F33)	Hex(FF6B4B)	Hex(FF8864)	Hex(FFA47D)	Hex(FFC198)	Hex(FFDEB3)	Hex(FFFCCE)
Hex(B10002)		Ratio: 7.23 Passed ⁶	Ratio: 2.06 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.78 AA 18pt ²	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 6.99 AA ¹ AAA 18pt ⁴
Hex(FFFEB)	Ratio: 7.23 Passed ⁶		Ratio: 3.51 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(F14F33)	Ratio: 2.06 Failed ⁵	Ratio: 3.51 AA 18pt ²		Ratio: 1.26 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.40 AA 18pt ²
Hex(FF6B4B)	Ratio: 2.60 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(FF8864)	Ratio: 3.12 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.24 Failed ⁵
Hex(FFA47D)	Ratio: 3.78 AA 18pt ²	Ratio: 1.91 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(FFC198)	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 1.56 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(FFDEB3)	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 1.27 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(FFFCCE)	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵	Ratio: 3.40 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.23 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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