

Converting Colors - WCAG Matrix

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

	Hex(B85014)	Hex(FFFFFF)	Hex(F68447)	Hex(FF9F60)	Hex(FFBA7A)	Hex(FFD795)	Hex(FFF3B0)	Hex(FFFFCC)	Hex(FFFFE8)
Hex(B85014)		Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 1.98 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 4.46 AA 18pt ²	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 4.94 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 5.01 AA ¹ AAA 18pt ⁴		Ratio: 2.53 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.03 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(F68447)	Ratio: 1.98 Failed ⁵	Ratio: 2.53 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.49 Failed ⁵
Hex(FF9F60)	Ratio: 2.47 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.00 Failed ⁵
Hex(FFBA7A)	Ratio: 2.99 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(FFD795)	Ratio: 3.67 AA 18pt ²	Ratio: 1.36 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(FFF3B0)	Ratio: 4.46 AA 18pt ²	Ratio: 1.12 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(FFFFCC)	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 1.03 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(FFFFE8)	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 1.01 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.01 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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