

Converting Colors - WCAG Matrix

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

	Hex(F01717)	Hex(FFFFFF)	Hex(FF6348)	Hex(FF8261)	Hex(FF9F7B)	Hex(FFBD95)	Hex(FFDBB0)	Hex(FFFACC)	Hex(FFFE9)
Hex(F01717)		Ratio: 4.34 AA 18pt ²	Ratio: 1.47 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 4.09 AA 18pt ²	Ratio: 4.28 AA 18pt ²
Hex(FFFFFF)	Ratio: 4.34 AA 18pt ²		Ratio: 2.95 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(FF6348)	Ratio: 1.47 Failed ⁵	Ratio: 2.95 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 2.91 Failed ⁵
Hex(FF8261)	Ratio: 1.78 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(FF9F7B)	Ratio: 2.17 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(FFBD95)	Ratio: 2.68 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(FFDBB0)	Ratio: 3.31 AA 18pt ²	Ratio: 1.31 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(FFFACC)	Ratio: 4.09 AA 18pt ²	Ratio: 1.06 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(FFFE9)	Ratio: 4.28 AA 18pt ²	Ratio: 1.01 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.05 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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