

Converting Colors - WCAG Matrix

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

	Hex(A3241F)	Hex(FFFFFF)	Hex(E05C4D)	Hex(FF7863)	Hex(FF947D)	Hex(FFAD96)	Hex(FFCCB3)	Hex(FFE8CF)	Hex(FFFEB)
Hex(A3241F)		Ratio: 7.42 Passed ⁶	Ratio: 2.05 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 4.12 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 7.34 Passed ⁶
Hex(FFFFFF)	Ratio: 7.42 Passed ⁶		Ratio: 3.62 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(E05C4D)	Ratio: 2.05 Failed ⁵	Ratio: 3.62 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 3.57 AA 18pt ²
Hex(FF7863)	Ratio: 2.87 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(FF947D)	Ratio: 3.46 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.12 Failed ⁵
Hex(FFAD96)	Ratio: 4.12 AA 18pt ²	Ratio: 1.80 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(FFCCB3)	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(FFE8CF)	Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 1.19 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(FFFEB)	Ratio: 7.34 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.17 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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