

Converting Colors - WCAG Matrix

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

	Hex(D33F3F)	Hex(F35C57)	Hex(FF786F)	Hex(FF9489)	Hex(FFB0A3)	Hex(FFCDBE)	Hex(FFEADA)	Hex(FFFFF7)	Hex(FFFFFF)
Hex(D33F3F)		Ratio: 1.42 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 3.96 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 4.61 AA ¹ AAA 18pt ⁴
Hex(F35C57)	Ratio: 1.42 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 3.24 AA 18pt ²
Hex(FF786F)	Ratio: 1.79 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.57 Failed ⁵
Hex(FF9489)	Ratio: 2.16 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(FFB0A3)	Ratio: 2.63 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(FFCDBE)	Ratio: 3.24 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(FFEADA)	Ratio: 3.96 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(FFFFF7)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 2.12 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(FFFFFF)	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.24 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.00 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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