

# Converting Colors - WCAG Matrix

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

Hex(9D3E13) Hex(FFE1AC) Hex(D97143) Hex(F88B5B) Hex(FFA675) Hex(FFC28F) Hex(FFDEAA)

	Hex(9D3E13)	Hex(FFE1AC)	Hex(D97143)	Hex(F88B5B)	Hex(FFA675)	Hex(FFC28F)	Hex(FFDEAA)
Hex(9D3E13)		Ratio: 5.31 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 3.50 AA 18pt <sup>2</sup>	Ratio: 4.27 AA 18pt <sup>2</sup>	Ratio: 5.20 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(FFE1AC)	Ratio: 5.31 AA <sup>1</sup> AAA 18pt <sup>4</sup>		Ratio: 2.60 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>
Hex(D97143)	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 2.60 Failed <sup>5</sup>		Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 2.55 Failed <sup>5</sup>
Hex(F88B5B)	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>		Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>
Hex(FFA675)	Ratio: 3.50 AA 18pt <sup>2</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>
Hex(FFC28F)	Ratio: 4.27 AA 18pt <sup>2</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>
Hex(FFDEAA)	Ratio: 5.20 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 2.55 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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