

# Converting Colors - WCAG Matrix

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

	Hex(7F2C01)	Hex(FFF8E8)	Hex(BA5D31)	Hex(D87749)	Hex(F79162)	Hex(FFAC7B)	Hex(FFC895)	Hex(FFE4B0)	Hex(FFF8CC)
Hex(7F2C01)		Ratio: 9.16 Passed <sup>6</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 4.06 AA 18pt <sup>2</sup>	Ratio: 5.05 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.16 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.50 Passed <sup>6</sup>	Ratio: 9.03 Passed <sup>6</sup>
Hex(FFF8E8)	Ratio: 9.16 Passed <sup>6</sup>		Ratio: 4.41 AA 18pt <sup>2</sup>	Ratio: 3.11 AA 18pt <sup>2</sup>	Ratio: 2.26 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>
Hex(BA5D31)	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 4.41 AA 18pt <sup>2</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 2.43 Failed <sup>5</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 3.61 AA 18pt <sup>2</sup>	Ratio: 4.35 AA 18pt <sup>2</sup>
Hex(D87749)	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 3.11 AA 18pt <sup>2</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 2.55 Failed <sup>5</sup>	Ratio: 3.07 AA 18pt <sup>2</sup>
Hex(F79162)	Ratio: 4.06 AA 18pt <sup>2</sup>	Ratio: 2.26 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>		Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.85 Failed <sup>5</sup>	Ratio: 2.22 Failed <sup>5</sup>
Hex(FFAC7B)	Ratio: 5.05 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 2.43 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.79 Failed <sup>5</sup>
Hex(FFC895)	Ratio: 6.16 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>
Hex(FFE4B0)	Ratio: 7.50 Passed <sup>6</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 3.61 AA 18pt <sup>2</sup>	Ratio: 2.55 Failed <sup>5</sup>	Ratio: 1.85 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.20 Failed <sup>5</sup>
Hex(FFF8CC)	Ratio: 9.03 Passed <sup>6</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 4.35 AA 18pt <sup>2</sup>	Ratio: 3.07 AA 18pt <sup>2</sup>	Ratio: 2.22 Failed <sup>5</sup>	Ratio: 1.79 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.20 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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