

# Converting Colors - WCAG Matrix

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

	Hex(734C00)	Hex(FFFFFF0)	Hex(AB7C36)	Hex(C8964E)	Hex(E6B168)	Hex(FFCC81)	Hex(FFE89C)	Hex(FFFB7)	Hex(FFFD4)
Hex(734C00)		Ratio: 7.53 Passed <sup>6</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 2.87 Failed <sup>5</sup>	Ratio: 3.93 AA 18pt <sup>2</sup>	Ratio: 5.14 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.25 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.33 Passed <sup>6</sup>	Ratio: 7.42 Passed <sup>6</sup>
Hex(FFFFFF0)	Ratio: 7.53 Passed <sup>6</sup>		Ratio: 3.67 AA 18pt <sup>2</sup>	Ratio: 2.63 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 1.47 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>
Hex(AB7C36)	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 3.67 AA 18pt <sup>2</sup>		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 2.51 Failed <sup>5</sup>	Ratio: 3.05 AA 18pt <sup>2</sup>	Ratio: 3.57 AA 18pt <sup>2</sup>	Ratio: 3.62 AA 18pt <sup>2</sup>
Hex(C8964E)	Ratio: 2.87 Failed <sup>5</sup>	Ratio: 2.63 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.79 Failed <sup>5</sup>	Ratio: 2.18 Failed <sup>5</sup>	Ratio: 2.55 Failed <sup>5</sup>	Ratio: 2.59 Failed <sup>5</sup>
Hex(E6B168)	Ratio: 3.93 AA 18pt <sup>2</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>		Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 1.89 Failed <sup>5</sup>
Hex(FFCC81)	Ratio: 5.14 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.47 Failed <sup>5</sup>	Ratio: 2.51 Failed <sup>5</sup>	Ratio: 1.79 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>
Hex(FFE89C)	Ratio: 6.25 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 3.05 AA 18pt <sup>2</sup>	Ratio: 2.18 Failed <sup>5</sup>	Ratio: 1.59 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>
Hex(FFFB7)	Ratio: 7.33 Passed <sup>6</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 3.57 AA 18pt <sup>2</sup>	Ratio: 2.55 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>
Hex(FFFD4)	Ratio: 7.42 Passed <sup>6</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 3.62 AA 18pt <sup>2</sup>	Ratio: 2.59 Failed <sup>5</sup>	Ratio: 1.89 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.01 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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