

# Converting Colors - WCAG Matrix

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

Hex(984000) Hex(FFFFFF0) Hex(D57236) Hex(F48C4E) Hex(FFA768) Hex(FFC382) Hex(FFDF9C) Hex(FFFCB8) Hex(FFFFD4)

	Hex(984000)	Hex(FFFFFF0)	Hex(D57236)	Hex(F48C4E)	Hex(FFA768)	Hex(FFC382)	Hex(FFDF9C)	Hex(FFFCB8)	Hex(FFFFD4)
Hex(984000)		Ratio: 6.78 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 2.84 Failed <sup>5</sup>	Ratio: 3.58 AA 18pt <sup>2</sup>	Ratio: 4.36 AA 18pt <sup>2</sup>	Ratio: 5.31 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.48 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(FFFFFF0)	Ratio: 6.78 AA <sup>1</sup> AAA 18pt <sup>4</sup>		Ratio: 3.31 AA 18pt <sup>2</sup>	Ratio: 2.39 Failed <sup>5</sup>	Ratio: 1.90 Failed <sup>5</sup>	Ratio: 1.56 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>
Hex(D57236)	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 3.31 AA 18pt <sup>2</sup>		Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.75 Failed <sup>5</sup>	Ratio: 2.13 Failed <sup>5</sup>	Ratio: 2.59 Failed <sup>5</sup>	Ratio: 3.16 AA 18pt <sup>2</sup>	Ratio: 3.26 AA 18pt <sup>2</sup>
Hex(F48C4E)	Ratio: 2.84 Failed <sup>5</sup>	Ratio: 2.39 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>		Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.54 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 2.28 Failed <sup>5</sup>	Ratio: 2.35 Failed <sup>5</sup>
Hex(FFA768)	Ratio: 3.58 AA 18pt <sup>2</sup>	Ratio: 1.90 Failed <sup>5</sup>	Ratio: 1.75 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>
Hex(FFC382)	Ratio: 4.36 AA 18pt <sup>2</sup>	Ratio: 1.56 Failed <sup>5</sup>	Ratio: 2.13 Failed <sup>5</sup>	Ratio: 1.54 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.53 Failed <sup>5</sup>
Hex(FFDF9C)	Ratio: 5.31 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.28 Failed <sup>5</sup>	Ratio: 2.59 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>
Hex(FFFCB8)	Ratio: 6.48 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.05 Failed <sup>5</sup>	Ratio: 3.16 AA 18pt <sup>2</sup>	Ratio: 2.28 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.03 Failed <sup>5</sup>
Hex(FFFFD4)	Ratio: 6.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 3.26 AA 18pt <sup>2</sup>	Ratio: 2.35 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 1.53 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.03 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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