

# Converting Colors - WCAG Matrix

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

	Hex(DA1300)	Hex(FFFFFF3)	Hex(FF5D37)	Hex(FF7B50)	Hex(FF9869)	Hex(FFB584)	Hex(FFD39E)	Hex(FFF1BA)	Hex(FFFFD6)
Hex(DA1300)		Ratio: 5.12 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.44 Failed <sup>5</sup>	Ratio: 2.99 Failed <sup>5</sup>	Ratio: 3.70 AA 18pt <sup>2</sup>	Ratio: 4.55 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.04 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(FFFFFF3)	Ratio: 5.12 AA <sup>1</sup> AAA 18pt <sup>4</sup>		Ratio: 3.03 AA 18pt <sup>2</sup>	Ratio: 2.54 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>
Hex(FF5D37)	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 3.03 AA 18pt <sup>2</sup>		Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 2.19 Failed <sup>5</sup>	Ratio: 2.70 Failed <sup>5</sup>	Ratio: 2.99 Failed <sup>5</sup>
Hex(FF7B50)	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.54 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>		Ratio: 1.21 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 2.26 Failed <sup>5</sup>	Ratio: 2.50 Failed <sup>5</sup>
Hex(FF9869)	Ratio: 2.44 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>	Ratio: 1.21 Failed <sup>5</sup>		Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>
Hex(FFB584)	Ratio: 2.99 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>		Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>
Hex(FFD39E)	Ratio: 3.70 AA 18pt <sup>2</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 2.19 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.51 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>		Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>
Hex(FFF1BA)	Ratio: 4.55 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.12 Failed <sup>5</sup>	Ratio: 2.70 Failed <sup>5</sup>	Ratio: 2.26 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>		Ratio: 1.11 Failed <sup>5</sup>
Hex(FFFFD6)	Ratio: 5.04 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 2.99 Failed <sup>5</sup>	Ratio: 2.50 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.11 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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