

# Converting Colors - WCAG Matrix

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

	Hex(7C0000)	Hex(FF4DA)	Hex(BA2D28)	Hex(D94A3E)	Hex(F96656)	Hex(FF826F)	Hex(FF9E88)	Hex(FFBAA3)	Hex(FFD7BE)
Hex(7C0000)		Ratio: 10.34 Passed <sup>6</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 2.69 Failed <sup>5</sup>	Ratio: 3.80 AA 18pt <sup>2</sup>	Ratio: 4.67 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.65 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.90 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 8.46 Passed <sup>6</sup>
Hex(FF4DA)	Ratio: 10.34 Passed <sup>6</sup>		Ratio: 5.50 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.84 AA 18pt <sup>2</sup>	Ratio: 2.72 Failed <sup>5</sup>	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>
Hex(BA2D28)	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 5.50 AA <sup>1</sup> AAA 18pt <sup>4</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 2.48 Failed <sup>5</sup>	Ratio: 3.00 AA 18pt <sup>2</sup>	Ratio: 3.66 AA 18pt <sup>2</sup>	Ratio: 4.50 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(D94A3E)	Ratio: 2.69 Failed <sup>5</sup>	Ratio: 3.84 AA 18pt <sup>2</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.74 Failed <sup>5</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 2.56 Failed <sup>5</sup>	Ratio: 3.14 AA 18pt <sup>2</sup>
Hex(F96656)	Ratio: 3.80 AA 18pt <sup>2</sup>	Ratio: 2.72 Failed <sup>5</sup>	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.23 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 2.23 Failed <sup>5</sup>
Hex(FF826F)	Ratio: 4.67 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 2.48 Failed <sup>5</sup>	Ratio: 1.74 Failed <sup>5</sup>	Ratio: 1.23 Failed <sup>5</sup>		Ratio: 1.21 Failed <sup>5</sup>	Ratio: 1.48 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>
Hex(FF9E88)	Ratio: 5.65 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 3.00 AA 18pt <sup>2</sup>	Ratio: 2.10 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.21 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>
Hex(FFBAA3)	Ratio: 6.90 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 3.66 AA 18pt <sup>2</sup>	Ratio: 2.56 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: 1.23 Failed <sup>5</sup>
Hex(FFD7BE)	Ratio: 8.46 Passed <sup>6</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 4.50 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.14 AA 18pt <sup>2</sup>	Ratio: 2.23 Failed <sup>5</sup>	Ratio: 1.81 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.23 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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