

# Converting Colors - WCAG Matrix

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

**Hex(FF6C55) Hex(FFD3CC) Hex(FF55E8) Hex(806561) Hex(000000) Hex(808080)**

<b>Hex(FF6C55)</b>		<a href="#">Ratio: 2.05</a> <u>Failed</u> <sup>5</sup>	<a href="#">Ratio: 1.03</a> <u>Failed</u> <sup>5</sup>	<a href="#">Ratio: 1.90</a> <u>Failed</u> <sup>5</sup>	<a href="#">Ratio: 7.53</a> <u>Passed</u> <sup>6</sup>	<a href="#">Ratio: 1.42</a> <u>Failed</u> <sup>5</sup>
<b>Hex(FFD3CC)</b>	<a href="#">Ratio: 2.05</a> <u>Failed</u> <sup>5</sup>		<a href="#">Ratio: 2.00</a> <u>Failed</u> <sup>5</sup>	<a href="#">Ratio: 3.91</a> <u>AA 18pt</u> <sup>2</sup>	<a href="#">Ratio: 15.44</a> <u>Passed</u> <sup>6</sup>	<a href="#">Ratio: 2.90</a> <u>Failed</u> <sup>5</sup>
<b>Hex(FF55E8)</b>	<a href="#">Ratio: 1.03</a> <u>Failed</u> <sup>5</sup>	<a href="#">Ratio: 2.00</a> <u>Failed</u> <sup>5</sup>		<a href="#">Ratio: 1.95</a> <u>Failed</u> <sup>5</sup>	<a href="#">Ratio: 7.72</a> <u>Passed</u> <sup>6</sup>	<a href="#">Ratio: 1.45</a> <u>Failed</u> <sup>5</sup>
<b>Hex(806561)</b>	<a href="#">Ratio: 1.90</a> <u>Failed</u> <sup>5</sup>	<a href="#">Ratio: 3.91</a> <u>AA 18pt</u> <sup>2</sup>	<a href="#">Ratio: 1.95</a> <u>Failed</u> <sup>5</sup>		<a href="#">Ratio: 3.95</a> <u>AA 18pt</u> <sup>2</sup>	<a href="#">Ratio: 1.35</a> <u>Failed</u> <sup>5</sup>
<b>Hex(000000)</b>	<a href="#">Ratio: 7.53</a> <u>Passed</u> <sup>6</sup>	<a href="#">Ratio: 15.44</a> <u>Passed</u> <sup>6</sup>	<a href="#">Ratio: 7.72</a> <u>Passed</u> <sup>6</sup>	<a href="#">Ratio: 3.95</a> <u>AA 18pt</u> <sup>2</sup>		<a href="#">Ratio: 5.32</a> <u>AA</u> <sup>1</sup> <u>AAA 18pt</u> <sup>4</sup>
<b>Hex(808080)</b>	<a href="#">Ratio: 1.42</a> <u>Failed</u> <sup>5</sup>	<a href="#">Ratio: 2.90</a> <u>Failed</u> <sup>5</sup>	<a href="#">Ratio: 1.45</a> <u>Failed</u> <sup>5</sup>	<a href="#">Ratio: 1.35</a> <u>Failed</u> <sup>5</sup>	<a href="#">Ratio: 5.32</a> <u>AA</u> <sup>1</sup> <u>AAA 18pt</u> <sup>4</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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