

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(FF9887) Hex(FF8470) Hex(FFD387) Hex(807573) Hex(BF1B00) Hex(400900)**

	Hex(FF9887)	Hex(FF8470)	Hex(FFD387)	Hex(807573)	Hex(BF1B00)	Hex(400900)
Hex(FF9887)		<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.48</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.14</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.99</a> Failed <sup>5</sup>	<a href="#">Ratio: 8.03</a> Passed <sup>6</sup>
Hex(FF8470)	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.70</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.87</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.61</a> Failed <sup>5</sup>	<a href="#">Ratio: 6.99</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(FFD387)	<a href="#">Ratio: 1.48</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.70</a> Failed <sup>5</sup>		<a href="#">Ratio: 3.17</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 4.42</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 11.87</a> Passed <sup>6</sup>
Hex(807573)	<a href="#">Ratio: 2.14</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.87</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.17</a> AA 18pt <sup>2</sup>		<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.75</a> AA 18pt <sup>2</sup>
Hex(BF1B00)	<a href="#">Ratio: 2.99</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.61</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.42</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.68</a> Failed <sup>5</sup>
Hex(400900)	<a href="#">Ratio: 8.03</a> Passed <sup>6</sup>	<a href="#">Ratio: 6.99</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 11.87</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.75</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.68</a> 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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