

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(FF66CC) Hex(FF47C2) Hex(FF6682) Hex(80737B) Hex(BF0080) Hex(40002B)**

<b>Hex(FF66CC)</b>		<a href="#">Ratio: 1.16</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.07</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.72</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.28</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 6.41</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>
<b>Hex(FF47C2)</b>	<a href="#">Ratio: 1.16</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.08</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.49</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.97</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 5.53</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>
<b>Hex(FF6682)</b>	<a href="#">Ratio: 1.07</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.08</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.61</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.12</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 5.97</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>
<b>Hex(80737B)</b>	<a href="#">Ratio: 1.72</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.49</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.61</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.32</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.72</a> <a href="#">AA 18pt<sup>2</sup></a>
<b>Hex(BF0080)</b>	<a href="#">Ratio: 2.28</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.97</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.12</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.32</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 2.82</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(40002B)</b>	<a href="#">Ratio: 6.41</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 5.53</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 5.97</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 3.72</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 2.82</a> <a href="#">Failed<sup>5</sup></a>	

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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