

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(FFF5FF) Hex(FFF2FF) Hex(F5FFFA) Hex(807880) Hex(BF00BF) Hex(400040)**

<b>Hex(FFF5FF)</b>		<a href="#">Ratio: 1.02</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.04</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.02</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 4.98</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 15.29</a> <a href="#">Passed<sup>6</sup></a>
<b>Hex(FFF2FF)</b>	<a href="#">Ratio: 1.02</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.06</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.95</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 4.89</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 15.01</a> <a href="#">Passed<sup>6</sup></a>
<b>Hex(F5FFFA)</b>	<a href="#">Ratio: 1.04</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.06</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 4.18</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 5.18</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 15.92</a> <a href="#">Passed<sup>6</sup></a>
<b>Hex(807880)</b>	<a href="#">Ratio: 4.02</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 3.95</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 4.18</a> <a href="#">AA 18pt<sup>2</sup></a>		<a href="#">Ratio: 1.24</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.81</a> <a href="#">AA 18pt<sup>2</sup></a>
<b>Hex(BF00BF)</b>	<a href="#">Ratio: 4.98</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 4.89</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 5.18</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.24</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 3.07</a> <a href="#">AA 18pt<sup>2</sup></a>
<b>Hex(400040)</b>	<a href="#">Ratio: 15.29</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 15.01</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 15.92</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 3.81</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 3.07</a> <a href="#">AA 18pt<sup>2</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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