

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(FFF5F7) Hex(FFF2F6) Hex(F5FDFE) Hex(80787A) Hex(BF0031) Hex(400010)**

<b>Hex(FFF5F7)</b>		<a href="#">Ratio: 1.02</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.04</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.02</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 6.03</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 16.04</a> <a href="#">Passed</a> <sup>6</sup>
<b>Hex(FFF2F6)</b>	<a href="#">Ratio: 1.02</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.06</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.95</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 5.92</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 15.74</a> <a href="#">Passed</a> <sup>6</sup>
<b>Hex(F5FDFE)</b>	<a href="#">Ratio: 1.04</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.06</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 4.17</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 6.25</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 16.63</a> <a href="#">Passed</a> <sup>6</sup>
<b>Hex(80787A)</b>	<a href="#">Ratio: 4.02</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 3.95</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 4.17</a> <a href="#">AA 18pt</a> <sup>2</sup>		<a href="#">Ratio: 1.50</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.99</a> <a href="#">AA 18pt</a> <sup>2</sup>
<b>Hex(BF0031)</b>	<a href="#">Ratio: 6.03</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 5.92</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 6.25</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 1.50</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 2.66</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(400010)</b>	<a href="#">Ratio: 16.04</a> <a href="#">Passed</a> <sup>6</sup>	<a href="#">Ratio: 15.74</a> <a href="#">Passed</a> <sup>6</sup>	<a href="#">Ratio: 16.63</a> <a href="#">Passed</a> <sup>6</sup>	<a href="#">Ratio: 3.99</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 2.66</a> <a href="#">Failed</a> <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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