

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(FEFAFB) Hex(FFFAFB) Hex(FAFEFB) Hex(807D7E) Hex(BF002E) Hex(40000F)**

<b>Hex(FEFAFB)</b>	<a href="#">Ratio: 1.00</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.02</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.94</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 6.23</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 16.56</a> <a href="#">Passed<sup>6</sup></a>
<b>Hex(FFFAFB)</b>	<a href="#">Ratio: 1.00</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.02</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.94</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 6.24</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 16.59</a> <a href="#">Passed<sup>6</sup></a>
<b>Hex(FAFEFB)</b>	<a href="#">Ratio: 1.02</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.02</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.00</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 6.34</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 16.85</a> <a href="#">Passed<sup>6</sup></a>
<b>Hex(807D7E)</b>	<a href="#">Ratio: 3.94</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 3.94</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 4.00</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.58</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.21</a> <a href="#">AA 18pt<sup>2</sup></a>
<b>Hex(BF002E)</b>	<a href="#">Ratio: 6.23</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 6.24</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 6.34</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.58</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.66</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(40000F)</b>	<a href="#">Ratio: 16.56</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 16.59</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 16.85</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 4.21</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 2.66</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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