

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(F8E2E3) Hex(FFE6E6) Hex(EDF8E2) Hex(7D7071) Hex(BD0002) Hex(3D0000)**

<b>Hex(F8E2E3)</b>		<a href="#">Ratio: 1.04</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.13</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.83</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 5.37</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 14.17</a> <a href="#">Passed<sup>6</sup></a>
<b>Hex(FFE6E6)</b>	<a href="#">Ratio: 1.04</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.08</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: 5.60</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 14.78</a> <a href="#">Passed<sup>6</sup></a>
<b>Hex(EDF8E2)</b>	<a href="#">Ratio: 1.13</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.08</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 4.32</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 6.04</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 15.96</a> <a href="#">Passed<sup>6</sup></a>
<b>Hex(7D7071)</b>	<a href="#">Ratio: 3.83</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: 4.32</a> <a href="#">AA 18pt<sup>2</sup></a>		<a href="#">Ratio: 1.40</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.70</a> <a href="#">AA 18pt<sup>2</sup></a>
<b>Hex(BD0002)</b>	<a href="#">Ratio: 5.37</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 5.60</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 6.04</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.40</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 2.64</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(3D0000)</b>	<a href="#">Ratio: 14.17</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 14.78</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 15.96</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 3.70</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 2.64</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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