

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(E8ECFF) Hex(F7F9FF) Hex(E8FFFB) Hex(7A7B80) Hex(000000) Hex(808080)**

<b>Hex(E8ECFF)</b>		<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.59</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 17.87</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.36</a> AA 18pt <sup>2</sup>
<b>Hex(F7F9FF)</b>	<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.01</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 19.95</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.75</a> AA 18pt <sup>2</sup>
<b>Hex(E8FFFB)</b>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>		<a href="#">Ratio: 4.05</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 20.13</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.79</a> AA 18pt <sup>2</sup>
<b>Hex(7A7B80)</b>	<a href="#">Ratio: 3.59</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 4.01</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 4.05</a> AA 18pt <sup>2</sup>		<a href="#">Ratio: 4.97</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.07</a> Failed <sup>5</sup>
<b>Hex(000000)</b>	<a href="#">Ratio: 17.87</a> Passed <sup>6</sup>	<a href="#">Ratio: 19.95</a> Passed <sup>6</sup>	<a href="#">Ratio: 20.13</a> Passed <sup>6</sup>	<a href="#">Ratio: 4.97</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>		<a href="#">Ratio: 5.32</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(808080)</b>	<a href="#">Ratio: 3.36</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.75</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.79</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.07</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.32</a> AA <sup>1</sup> AAA 18pt <sup>4</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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