

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(99E1FF) Hex(E0F6FF) Hex(99FFB6) Hex(6E7A80) Hex(000000) Hex(808080)**

<b>Hex(99E1FF)</b>		<a href="#">Ratio: 1.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.06</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 14.57</a> Passed <sup>6</sup>	<a href="#">Ratio: 2.74</a> Failed <sup>5</sup>
<b>Hex(E0F6FF)</b>	<a href="#">Ratio: 1.29</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.08</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.95</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 18.80</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.53</a> AA 18pt <sup>2</sup>
<b>Hex(99FFB6)</b>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.08</a> Failed <sup>5</sup>		<a href="#">Ratio: 3.64</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 17.33</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.26</a> AA 18pt <sup>2</sup>
<b>Hex(6E7A80)</b>	<a href="#">Ratio: 3.06</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.95</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.64</a> AA 18pt <sup>2</sup>		<a href="#">Ratio: 4.76</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>
<b>Hex(000000)</b>	<a href="#">Ratio: 14.57</a> Passed <sup>6</sup>	<a href="#">Ratio: 18.80</a> Passed <sup>6</sup>	<a href="#">Ratio: 17.33</a> Passed <sup>6</sup>	<a href="#">Ratio: 4.76</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: 2.74</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.53</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.26</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.12</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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