

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(69FFED) Hex(4AFFE9) Hex(69C8FF) Hex(73807E) Hex(00BFA8) Hex(004038)**

<b>Hex(69FFED)</b>		<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.51</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.35</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.90</a> Failed <sup>5</sup>	<a href="#">Ratio: 9.57</a> Passed <sup>6</sup>
<b>Hex(4AFFE9)</b>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.48</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.28</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.86</a> Failed <sup>5</sup>	<a href="#">Ratio: 9.37</a> Passed <sup>6</sup>
<b>Hex(69C8FF)</b>	<a href="#">Ratio: 1.51</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.48</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.21</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>	<a href="#">Ratio: 6.32</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(73807E)</b>	<a href="#">Ratio: 3.35</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.28</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.21</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.76</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.86</a> Failed <sup>5</sup>
<b>Hex(00BFA8)</b>	<a href="#">Ratio: 1.90</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.86</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.76</a> Failed <sup>5</sup>		<a href="#">Ratio: 5.04</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(004038)</b>	<a href="#">Ratio: 9.57</a> Passed <sup>6</sup>	<a href="#">Ratio: 9.37</a> Passed <sup>6</sup>	<a href="#">Ratio: 6.32</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 2.86</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.04</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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