

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(01909E) Hex(8FC7CC) Hex(019E0E) Hex(416366) Hex(E6E6E6) Hex(666666)**

<b>Hex(01909E)</b>		<a href="#">Ratio: 2.04</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.08</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.71</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.07</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>
<b>Hex(8FC7CC)</b>	<a href="#">Ratio: 2.04</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.90</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.50</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.06</a> AA 18pt <sup>2</sup>
<b>Hex(019E0E)</b>	<a href="#">Ratio: 1.08</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.90</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.84</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.85</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.61</a> Failed <sup>5</sup>
<b>Hex(416366)</b>	<a href="#">Ratio: 1.71</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.50</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.84</a> Failed <sup>5</sup>		<a href="#">Ratio: 5.26</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.14</a> Failed <sup>5</sup>
<b>Hex(E6E6E6)</b>	<a href="#">Ratio: 3.07</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.85</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.26</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>		<a href="#">Ratio: 4.60</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(666666)</b>	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.06</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.61</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.14</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.60</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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