

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(4883B4) Hex(429DEB) Hex(484DB4) Hex(505559) Hex(005399) Hex(000E19)**

<b>Hex(4883B4)</b>		<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.73</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.86</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.92</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.81</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(429DEB)</b>	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.42</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.60</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.69</a> Failed <sup>5</sup>	<a href="#">Ratio: 6.74</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(484DB4)</b>	<a href="#">Ratio: 1.73</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.42</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.08</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.78</a> Failed <sup>5</sup>
<b>Hex(505559)</b>	<a href="#">Ratio: 1.86</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.60</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.08</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.59</a> Failed <sup>5</sup>
<b>Hex(005399)</b>	<a href="#">Ratio: 1.92</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.69</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.50</a> Failed <sup>5</sup>
<b>Hex(000E19)</b>	<a href="#">Ratio: 4.81</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 6.74</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 2.78</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.59</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.50</a> Failed <sup>5</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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