

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(41418E) Hex(4040B8) Hex(68418E) Hex(404047) Hex(000087) Hex(000008)**

<b>Hex(41418E)</b>		<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.76</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.36</a> Failed <sup>5</sup>
<b>Hex(4040B8)</b>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.96</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.63</a> Failed <sup>5</sup>
<b>Hex(68418E)</b>	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.34</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.73</a> Failed <sup>5</sup>
<b>Hex(404047)</b>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.34</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.51</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.04</a> Failed <sup>5</sup>
<b>Hex(000087)</b>	<a href="#">Ratio: 1.76</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.96</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.51</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.34</a> Failed <sup>5</sup>
<b>Hex(000008)</b>	<a href="#">Ratio: 2.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.63</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.73</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.04</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.34</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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