

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(3B7896) Hex(3493C2) Hex(3B4C96) Hex(43484A) Hex(005C8A) Hex(00070A)**

	Hex(3B7896)	Hex(3493C2)	Hex(3B4C96)	Hex(43484A)	Hex(005C8A)	Hex(00070A)
Hex(3B7896)		<a href="#">Ratio: 1.41</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.62</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.90</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.49</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.17</a> AA 18pt <sup>2</sup>
Hex(3493C2)	<a href="#">Ratio: 1.41</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.69</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.89</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(3B4C96)	<a href="#">Ratio: 1.62</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.29</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.17</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.09</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.57</a> Failed <sup>5</sup>
Hex(43484A)	<a href="#">Ratio: 1.90</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.69</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.17</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.28</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.19</a> Failed <sup>5</sup>
Hex(005C8A)	<a href="#">Ratio: 1.49</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.09</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.28</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.80</a> Failed <sup>5</sup>
Hex(00070A)	<a href="#">Ratio: 4.17</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 5.89</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 2.57</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.80</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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