

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

**Hex(929394) Hex(BBBDBF) Hex(929294) Hex(48494A) Hex(00458A) Hex(00050A)**

<b>Hex(929394)</b>		<a href="#">Ratio: 1.63</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.01</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 2.93</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 3.08</a> <b>AA 18pt</b> <sup>2</sup>	<a href="#">Ratio: 6.65</a> <b>AA</b> <sup>1</sup> <b>AAA 18pt</b> <sup>4</sup>
<b>Hex(BBBDBF)</b>	<a href="#">Ratio: 1.63</a> <b>Failed</b> <sup>5</sup>		<a href="#">Ratio: 1.65</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 4.79</a> <b>AA</b> <sup>1</sup> <b>AAA 18pt</b> <sup>4</sup>	<a href="#">Ratio: 5.02</a> <b>AA</b> <sup>1</sup> <b>AAA 18pt</b> <sup>4</sup>	<a href="#">Ratio: 10.86</a> <b>Passed</b> <sup>6</sup>
<b>Hex(929294)</b>	<a href="#">Ratio: 1.01</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.65</a> <b>Failed</b> <sup>5</sup>		<a href="#">Ratio: 2.91</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 3.05</a> <b>AA 18pt</b> <sup>2</sup>	<a href="#">Ratio: 6.59</a> <b>AA</b> <sup>1</sup> <b>AAA 18pt</b> <sup>4</sup>
<b>Hex(48494A)</b>	<a href="#">Ratio: 2.93</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 4.79</a> <b>AA</b> <sup>1</sup> <b>AAA 18pt</b> <sup>4</sup>	<a href="#">Ratio: 2.91</a> <b>Failed</b> <sup>5</sup>		<a href="#">Ratio: 1.05</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 2.27</a> <b>Failed</b> <sup>5</sup>
<b>Hex(00458A)</b>	<a href="#">Ratio: 3.08</a> <b>AA 18pt</b> <sup>2</sup>	<a href="#">Ratio: 5.02</a> <b>AA</b> <sup>1</sup> <b>AAA 18pt</b> <sup>4</sup>	<a href="#">Ratio: 3.05</a> <b>AA 18pt</b> <sup>2</sup>	<a href="#">Ratio: 1.05</a> <b>Failed</b> <sup>5</sup>		<a href="#">Ratio: 2.16</a> <b>Failed</b> <sup>5</sup>
<b>Hex(00050A)</b>	<a href="#">Ratio: 6.65</a> <b>AA</b> <sup>1</sup> <b>AAA 18pt</b> <sup>4</sup>	<a href="#">Ratio: 10.86</a> <b>Passed</b> <sup>6</sup>	<a href="#">Ratio: 6.59</a> <b>AA</b> <sup>1</sup> <b>AAA 18pt</b> <sup>4</sup>	<a href="#">Ratio: 2.27</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 2.16</a> <b>Failed</b> <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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