

# Converting Colors - WCAG Matrix

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

**Hex(587396) Hex(618AC2) Hex(5B5896) Hex(43464A) Hex(003C8A) Hex(00040A)**

	Hex(587396)	Hex(618AC2)	Hex(5B5896)	Hex(43464A)	Hex(003C8A)	Hex(00040A)
Hex(587396)		<a href="#">Ratio: 1.37</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.31</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.95</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.14</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.22</a> <a href="#">AA 18pt</a> <sup>2</sup>
Hex(618AC2)	<a href="#">Ratio: 1.37</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.81</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.68</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.94</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 5.80</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
Hex(5B5896)	<a href="#">Ratio: 1.31</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.81</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.48</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.63</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.21</a> <a href="#">AA 18pt</a> <sup>2</sup>
Hex(43464A)	<a href="#">Ratio: 1.95</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.68</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.48</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.10</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.17</a> <a href="#">Failed</a> <sup>5</sup>
Hex(003C8A)	<a href="#">Ratio: 2.14</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.94</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.63</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.10</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.97</a> <a href="#">Failed</a> <sup>5</sup>
Hex(00040A)	<a href="#">Ratio: 4.22</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 5.80</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 3.21</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 2.17</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.97</a> <a href="#">Failed</a> <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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