

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(9582BE) Hex(B799F7) Hex(B382BE) Hex(58555E) Hex(32009E) Hex(0A001F)**

<b>Hex(9582BE)</b>		<a href="#">Ratio: 1.43</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.10</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.16</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.81</a> <a href="#">AA 18pt<sup>2</sup></a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>
<b>Hex(B799F7)</b>	<a href="#">Ratio: 1.43</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.30</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.10</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 5.47</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a> <a href="#">Passed<sup>6</sup></a>
<b>Hex(B382BE)</b>	<a href="#">Ratio: 1.10</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.30</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 2.38</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.21</a> <a href="#">AA 18pt<sup>2</sup></a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a> <a href="#">Ratio: 6.64</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>
<b>Hex(58555E)</b>	<a href="#">Ratio: 2.16</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.10</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 2.38</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.77</a> <a href="#">Failed<sup>5</sup></a> <a href="#">Ratio: 2.79</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(32009E)</b>	<a href="#">Ratio: 3.81</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 5.47</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 4.21</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.77</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.58</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(0A001F)</b>	<a href="#">Ratio: 6.02</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 8.63</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 6.64</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 2.79</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.58</a> <a href="#">Failed<sup>5</sup></a>

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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