

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(C3A0E8) Hex(CFA1FF) Hex(E7A0E8) Hex(6D6773) Hex(5700B3) Hex(190033)**

<b>Hex(C3A0E8)</b>		<a href="#">Ratio: 1.07</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.11</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.48</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.63</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 8.73</a> <a href="#">Passed<sup>6</sup></a>
<b>Hex(CFA1FF)</b>	<a href="#">Ratio: 1.07</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.04</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.66</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.96</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 9.36</a> <a href="#">Passed<sup>6</sup></a>
<b>Hex(E7A0E8)</b>	<a href="#">Ratio: 1.11</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.04</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 2.76</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 5.15</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 9.72</a> <a href="#">Passed<sup>6</sup></a>
<b>Hex(6D6773)</b>	<a href="#">Ratio: 2.48</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.66</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.76</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.87</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.52</a> <a href="#">AA 18pt<sup>2</sup></a>
<b>Hex(5700B3)</b>	<a href="#">Ratio: 4.63</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 4.96</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 5.15</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.87</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.89</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(190033)</b>	<a href="#">Ratio: 8.73</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 9.36</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 9.72</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 3.52</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.89</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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