

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(965CE3) Hex(9747FF) Hex(DA5CE3) Hex(6C6773) Hex(4E00B3) Hex(160033)**

<b>Hex(965CE3)</b>		<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.34</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.56</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(9747FF)</b>	<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.42</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.22</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.31</a> AA 18pt <sup>2</sup>
<b>Hex(DA5CE3)</b>	<a href="#">Ratio: 1.34</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.42</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.73</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.35</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 6.12</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(6C6773)</b>	<a href="#">Ratio: 1.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.22</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.73</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.94</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.54</a> AA 18pt <sup>2</sup>
<b>Hex(4E00B3)</b>	<a href="#">Ratio: 2.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.35</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.94</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.83</a> Failed <sup>5</sup>
<b>Hex(160033)</b>	<a href="#">Ratio: 4.56</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 4.31</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 6.12</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 3.54</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.83</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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