

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(FF42DF) Hex(FF1CD9) Hex(81FF42) Hex(80737D) Hex(BF009F) Hex(400035)**

<b>Hex(FF42DF)</b>		<a href="#">Ratio: 1.11</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.30</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.52</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.91</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(FF1CD9)</b>	<a href="#">Ratio: 1.11</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 2.54</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.38</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.73</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(81FF42)</b>	<a href="#">Ratio: 2.30</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.54</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 3.50</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 4.39</a> <a href="#">AA 18pt<sup>2</sup></a>
<b>Hex(80737D)</b>	<a href="#">Ratio: 1.52</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.38</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.50</a> <a href="#">AA 18pt<sup>2</sup></a>		<a href="#">Ratio: 1.26</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(BF009F)</b>	<a href="#">Ratio: 1.91</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.73</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.39</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.26</a> <a href="#">Failed<sup>5</sup></a>	
<b>Hex(400035)</b>	<a href="#">Ratio: 5.59</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 5.06</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 12.85</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 3.68</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 2.93</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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