

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(6542F0) Hex(D2C7FF) Hex(42CDF0) Hex(655E80) Hex(000000) Hex(808080)**

<b>Hex(6542F0)</b>		<a href="#">Ratio: 3.72</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 3.13</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.04</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.59</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.48</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(D2C7FF)</b>	<a href="#">Ratio: 3.72</a> <a href="#">AA 18pt<sup>2</sup></a>		<a href="#">Ratio: 1.19</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.85</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 13.35</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 2.51</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(42CDF0)</b>	<a href="#">Ratio: 3.13</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.19</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 3.24</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 11.22</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 2.11</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(655E80)</b>	<a href="#">Ratio: 1.04</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.85</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 3.24</a> <a href="#">AA 18pt<sup>2</sup></a>		<a href="#">Ratio: 3.47</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.53</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(000000)</b>	<a href="#">Ratio: 3.59</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 13.35</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 11.22</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 3.47</a> <a href="#">AA 18pt<sup>2</sup></a>		<a href="#">Ratio: 5.32</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>
<b>Hex(808080)</b>	<a href="#">Ratio: 1.48</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.51</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.11</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.53</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 5.32</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</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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