

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(52787F) Hex(DDFFFF) Hex(85ADB4) Hex(A0C8D0) Hex(BBE4EC) Hex(D7FFFF)**

<b>Hex(52787F)</b>		<a href="#">Ratio: 4.55</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.98</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.68</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.54</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 4.51</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>
<b>Hex(DDFFFF)</b>	<a href="#">Ratio: 4.55</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>		<a href="#">Ratio: 2.30</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.70</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.29</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.01</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(85ADB4)</b>	<a href="#">Ratio: 1.98</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.30</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.35</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.79</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.27</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(A0C8D0)</b>	<a href="#">Ratio: 2.68</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.70</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.35</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.32</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.68</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(BBE4EC)</b>	<a href="#">Ratio: 3.54</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.29</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.79</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.32</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.27</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(D7FFFF)</b>	<a href="#">Ratio: 4.51</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.01</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.27</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.68</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.27</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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