

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(D797FF) Hex(F3E0FF) Hex(97BFFF) Hex(796E80) Hex(000000) Hex(808080)**

<b>Hex(D797FF)</b>		<a href="#">Ratio: 1.73</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.24</a> Failed <sup>5</sup>	<a href="#">Ratio: 9.76</a> Passed <sup>6</sup>	<a href="#">Ratio: 1.84</a> Failed <sup>5</sup>
<b>Hex(F3E0FF)</b>	<a href="#">Ratio: 1.73</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.51</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.88</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 16.92</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.18</a> AA 18pt <sup>2</sup>
<b>Hex(97BFFF)</b>	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.51</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.57</a> Failed <sup>5</sup>	<a href="#">Ratio: 11.21</a> Passed <sup>6</sup>	<a href="#">Ratio: 2.11</a> Failed <sup>5</sup>
<b>Hex(796E80)</b>	<a href="#">Ratio: 2.24</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.88</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.57</a> Failed <sup>5</sup>		<a href="#">Ratio: 4.35</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.22</a> Failed <sup>5</sup>
<b>Hex(000000)</b>	<a href="#">Ratio: 9.76</a> Passed <sup>6</sup>	<a href="#">Ratio: 16.92</a> Passed <sup>6</sup>	<a href="#">Ratio: 11.21</a> Passed <sup>6</sup>	<a href="#">Ratio: 4.35</a> AA 18pt <sup>2</sup>		<a href="#">Ratio: 5.32</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(808080)</b>	<a href="#">Ratio: 1.84</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.18</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.22</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.32</a> AA <sup>1</sup> AAA 18pt <sup>4</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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