

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

**Hex(8CFEFE) Hex(DBFFFF) Hex(8CFE8C) Hex(6A7F80) Hex(000000) Hex(808080)**

	Hex(8CFEFE)	Hex(DBFFFF)	Hex(8CFE8C)	Hex(6A7F80)	Hex(000000)	Hex(808080)
Hex(8CFEFE)		<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.57</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 17.72</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.33</a> AA 18pt <sup>2</sup>
Hex(DBFFFF)	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.98</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 19.76</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.72</a> AA 18pt <sup>2</sup>
Hex(8CFE8C)	<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>		<a href="#">Ratio: 3.36</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 16.67</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.14</a> AA 18pt <sup>2</sup>
Hex(6A7F80)	<a href="#">Ratio: 3.57</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.98</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.36</a> AA 18pt <sup>2</sup>		<a href="#">Ratio: 4.96</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.07</a> Failed <sup>5</sup>
Hex(000000)	<a href="#">Ratio: 17.72</a> Passed <sup>6</sup>	<a href="#">Ratio: 19.76</a> Passed <sup>6</sup>	<a href="#">Ratio: 16.67</a> Passed <sup>6</sup>	<a href="#">Ratio: 4.96</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>		<a href="#">Ratio: 5.32</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(808080)	<a href="#">Ratio: 3.33</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.72</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.14</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.07</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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