

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(59AEC3) Hex(D4F4FC) Hex(59C36C) Hex(677B80) Hex(000000) Hex(808080)**

	Hex(59AEC3)	Hex(D4F4FC)	Hex(59C36C)	Hex(677B80)	Hex(000000)	Hex(808080)
Hex(59AEC3)		<a href="#">Ratio: 2.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.14</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.75</a> Failed <sup>5</sup>	<a href="#">Ratio: 8.27</a> Passed <sup>6</sup>	<a href="#">Ratio: 1.55</a> Failed <sup>5</sup>
Hex(D4F4FC)	<a href="#">Ratio: 2.19</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.92</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.84</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 18.15</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.41</a> AA 18pt <sup>2</sup>
Hex(59C36C)	<a href="#">Ratio: 1.14</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.92</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 9.45</a> Passed <sup>6</sup>	<a href="#">Ratio: 1.78</a> Failed <sup>5</sup>
Hex(677B80)	<a href="#">Ratio: 1.75</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.84</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.00</a> Failed <sup>5</sup>		<a href="#">Ratio: 4.72</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>
Hex(000000)	<a href="#">Ratio: 8.27</a> Passed <sup>6</sup>	<a href="#">Ratio: 18.15</a> Passed <sup>6</sup>	<a href="#">Ratio: 9.45</a> Passed <sup>6</sup>	<a href="#">Ratio: 4.72</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: 1.55</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.41</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.78</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.13</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.