

# Converting Colors - WCAG Matrix

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

**Hex(4A82C0) Hex(FFFFFF) Hex(84B7F9) Hex(A1D2FF) Hex(BEEEFF) Hex(DBFFFF) Hex(F9FFFF)**

	Hex(4A82C0)	Hex(FFFFFF)	Hex(84B7F9)	Hex(A1D2FF)	Hex(BEEEFF)	Hex(DBFFFF)	Hex(F9FFFF)
Hex(4A82C0)		<a href="#">Ratio: 4.00</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.93</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.51</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.21</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 3.77</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 3.96</a> <a href="#">AA 18pt<sup>2</sup></a>
Hex(FFFFFF)	<a href="#">Ratio: 4.00</a> <a href="#">AA 18pt<sup>2</sup></a>		<a href="#">Ratio: 2.07</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.59</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.25</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.06</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.01</a> <a href="#">Failed<sup>5</sup></a>
Hex(84B7F9)	<a href="#">Ratio: 1.93</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.07</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.30</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.67</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.95</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.05</a> <a href="#">Failed<sup>5</sup></a>
Hex(A1D2FF)	<a href="#">Ratio: 2.51</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.59</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.30</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.28</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.50</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.58</a> <a href="#">Failed<sup>5</sup></a>
Hex(BEEEFF)	<a href="#">Ratio: 3.21</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.25</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.67</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.28</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.17</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.23</a> <a href="#">Failed<sup>5</sup></a>
Hex(DBFFFF)	<a href="#">Ratio: 3.77</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.06</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.95</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.50</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.17</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.05</a> <a href="#">Failed<sup>5</sup></a>
Hex(F9FFFF)	<a href="#">Ratio: 3.96</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.01</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.05</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.58</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.23</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.05</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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