

# Converting Colors - WCAG Matrix

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

**Hex(7ECBFF) Hex(64C0FF) Hex(4BB6FF) Hex(31ACFF) Hex(18A1FF) Hex(0098FF)**

	Hex(7ECBFF)	Hex(64C0FF)	Hex(4BB6FF)	Hex(31ACFF)	Hex(18A1FF)	Hex(0098FF)
Hex(7ECBFF)		<a href="#">Ratio: 1.13</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.26</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.40</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.57</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.71</a> <b>Failed</b> <sup>5</sup>
Hex(64C0FF)	<a href="#">Ratio: 1.13</a> <b>Failed</b> <sup>5</sup>		<a href="#">Ratio: 1.12</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.24</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.39</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.52</a> <b>Failed</b> <sup>5</sup>
Hex(4BB6FF)	<a href="#">Ratio: 1.26</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.12</a> <b>Failed</b> <sup>5</sup>		<a href="#">Ratio: 1.11</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.24</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.36</a> <b>Failed</b> <sup>5</sup>
Hex(31ACFF)	<a href="#">Ratio: 1.40</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.24</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.11</a> <b>Failed</b> <sup>5</sup>		<a href="#">Ratio: 1.12</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.22</a> <b>Failed</b> <sup>5</sup>
Hex(18A1FF)	<a href="#">Ratio: 1.57</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.39</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.24</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.12</a> <b>Failed</b> <sup>5</sup>		<a href="#">Ratio: 1.09</a> <b>Failed</b> <sup>5</sup>
Hex(0098FF)	<a href="#">Ratio: 1.71</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.52</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.36</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.22</a> <b>Failed</b> <sup>5</sup>	<a href="#">Ratio: 1.09</a> <b>Failed</b> <sup>5</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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