

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(7ABAF5) Hex(66B6FF) Hex(7A7EF5) Hex(6E757A) Hex(0061BA) Hex(001E3B)**

	Hex(7ABAF5)	Hex(66B6FF)	Hex(7A7EF5)	Hex(6E757A)	Hex(0061BA)	Hex(001E3B)
Hex(7ABAF5)		<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.66</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.97</a> Failed <sup>5</sup>	<a href="#">Ratio: 8.14</a> Passed <sup>6</sup>
Hex(66B6FF)	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.58</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.84</a> Failed <sup>5</sup>	<a href="#">Ratio: 7.77</a> Passed <sup>6</sup>
Hex(7A7EF5)	<a href="#">Ratio: 1.66</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.58</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.37</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.79</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.91</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(6E757A)	<a href="#">Ratio: 2.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.37</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.31</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.59</a> AA 18pt <sup>2</sup>
Hex(0061BA)	<a href="#">Ratio: 2.97</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.84</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.79</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.31</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.74</a> Failed <sup>5</sup>
Hex(001E3B)	<a href="#">Ratio: 8.14</a> Passed <sup>6</sup>	<a href="#">Ratio: 7.77</a> Passed <sup>6</sup>	<a href="#">Ratio: 4.91</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 3.59</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.74</a> Failed <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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