

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(76B9FA) Hex(5EB0FF) Hex(7678FA) Hex(70777D) Hex(0060BD) Hex(001F3D)**

<b>Hex(76B9FA)</b>		<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.73</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.96</a> Failed <sup>5</sup>	<a href="#">Ratio: 7.99</a> Passed <sup>6</sup>
<b>Hex(5EB0FF)</b>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.56</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.97</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 7.23</a> Passed <sup>6</sup>
<b>Hex(7678FA)</b>	<a href="#">Ratio: 1.73</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.56</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.26</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.71</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.62</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(70777D)</b>	<a href="#">Ratio: 2.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.97</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.26</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.66</a> AA 18pt <sup>2</sup>
<b>Hex(0060BD)</b>	<a href="#">Ratio: 2.96</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.71</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.70</a> Failed <sup>5</sup>
<b>Hex(001F3D)</b>	<a href="#">Ratio: 7.99</a> Passed <sup>6</sup>	<a href="#">Ratio: 7.23</a> Passed <sup>6</sup>	<a href="#">Ratio: 4.62</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 3.66</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.70</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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