

# Converting Colors - WCAG Matrix

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

**Hex(7E9CFD) Hex(6588FD) Hex(4B75FD) Hex(3261FD) Hex(194EFD) Hex(003BFD)**

	Hex(7E9CFD)	Hex(6588FD)	Hex(4B75FD)	Hex(3261FD)	Hex(194EFD)	Hex(003BFD)
Hex(7E9CFD)		<a href="#">Ratio: 1.24</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.53</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.89</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.27</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.65</a> <a href="#">Failed<sup>5</sup></a>
Hex(6588FD)	<a href="#">Ratio: 1.24</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.23</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.52</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.83</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.13</a> <a href="#">Failed<sup>5</sup></a>
Hex(4B75FD)	<a href="#">Ratio: 1.53</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.23</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.23</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.48</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.73</a> <a href="#">Failed<sup>5</sup></a>
Hex(3261FD)	<a href="#">Ratio: 1.89</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.52</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.23</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.20</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.40</a> <a href="#">Failed<sup>5</sup></a>
Hex(194EFD)	<a href="#">Ratio: 2.27</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.83</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.48</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.20</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.17</a> <a href="#">Failed<sup>5</sup></a>
Hex(003BFD)	<a href="#">Ratio: 2.65</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.13</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.73</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.40</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.17</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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