

# Converting Colors - WCAG Matrix

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

**Hex(CFDDFF) Hex(C4D6FF) Hex(D8CFFF) Hex(737780) Hex(0038BF) Hex(001340)**

	Hex(CFDDFF)	Hex(C4D6FF)	Hex(D8CFFF)	Hex(737780)	Hex(0038BF)	Hex(001340)
Hex(CFDDFF)		<a href="#">Ratio: 1.07</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.08</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.30</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 6.66</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 13.23</a> <a href="#">Passed<sup>6</sup></a>
Hex(C4D6FF)	<a href="#">Ratio: 1.07</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.01</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.08</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 6.22</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 12.35</a> <a href="#">Passed<sup>6</sup></a>
Hex(D8CFFF)	<a href="#">Ratio: 1.08</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.01</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 3.05</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 6.16</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 12.24</a> <a href="#">Passed<sup>6</sup></a>
Hex(737780)	<a href="#">Ratio: 3.30</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 3.08</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 3.05</a> <a href="#">AA 18pt<sup>2</sup></a>		<a href="#">Ratio: 2.02</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.01</a> <a href="#">AA 18pt<sup>2</sup></a>
Hex(0038BF)	<a href="#">Ratio: 6.66</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 6.22</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 6.16</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 2.02</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.99</a> <a href="#">Failed<sup>5</sup></a>
Hex(001340)	<a href="#">Ratio: 13.23</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 12.35</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 12.24</a> <a href="#">Passed<sup>6</sup></a>	<a href="#">Ratio: 4.01</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.99</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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