

# Converting Colors - WCAG Matrix

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

Hex(CCDDFF) Hex(C2D6FF) Hex(D4CCFF) Hex(73777F) Hex(0040BF) Hex(001540)

|             | Hex(CCDDFF)                                             | Hex(C2D6FF)                                             | Hex(D4CCFF)                                             | Hex(73777F)                         | Hex(0040BF)                                             | Hex(001540)                         |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(CCDDFF) |                                                         | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 1.11<br>Failed <sup>5</sup>                      | Ratio: 3.28<br>AA 18pt <sup>2</sup> | Ratio: 6.18<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 13.00<br>Passed <sup>6</sup> |
| Hex(C2D6FF) | Ratio: 1.07<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.03<br>Failed <sup>5</sup>                      | Ratio: 3.07<br>AA 18pt <sup>2</sup> | Ratio: 5.78<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 12.15<br>Passed <sup>6</sup> |
| Hex(D4CCFF) | Ratio: 1.11<br>Failed <sup>5</sup>                      | Ratio: 1.03<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.97<br>Failed <sup>5</sup>  | Ratio: 5.58<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 11.75<br>Passed <sup>6</sup> |
| Hex(73777F) | Ratio: 3.28<br>AA 18pt <sup>2</sup>                     | Ratio: 3.07<br>AA 18pt <sup>2</sup>                     | Ratio: 2.97<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.88<br>Failed <sup>5</sup>                      | Ratio: 3.96<br>AA 18pt <sup>2</sup> |
| Hex(0040BF) | Ratio: 6.18<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.78<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.58<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.88<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.10<br>Failed <sup>5</sup>  |
| Hex(001540) | Ratio: 13.00<br>Passed <sup>6</sup>                     | Ratio: 12.15<br>Passed <sup>6</sup>                     | Ratio: 11.75<br>Passed <sup>6</sup>                     | Ratio: 3.96<br>AA 18pt <sup>2</sup> | Ratio: 2.10<br>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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