

# Converting Colors - WCAG Matrix

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

Hex(D1D5F7) Hex(D1D6FF) Hex(E0D1F7) Hex(6E6F7A) Hex(0014BA) Hex(00063B)

|             | Hex(D1D5F7)                         | Hex(D1D6FF)                         | Hex(E0D1F7)                         | Hex(6E6F7A)                         | Hex(0014BA)                        | Hex(00063B)                         |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(D1D5F7) |                                     | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.00<br>Failed <sup>5</sup>  | Ratio: 3.45<br>AA 18pt <sup>2</sup> | Ratio: 8.06<br>Passed <sup>6</sup> | Ratio: 13.38<br>Passed <sup>6</sup> |
| Hex(D1D6FF) | Ratio: 1.01<br>Failed <sup>5</sup>  |                                     | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 3.50<br>AA 18pt <sup>2</sup> | Ratio: 8.17<br>Passed <sup>6</sup> | Ratio: 13.56<br>Passed <sup>6</sup> |
| Hex(E0D1F7) | Ratio: 1.00<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>  |                                     | Ratio: 3.47<br>AA 18pt <sup>2</sup> | Ratio: 8.09<br>Passed <sup>6</sup> | Ratio: 13.43<br>Passed <sup>6</sup> |
| Hex(6E6F7A) | Ratio: 3.45<br>AA 18pt <sup>2</sup> | Ratio: 3.50<br>AA 18pt <sup>2</sup> | Ratio: 3.47<br>AA 18pt <sup>2</sup> |                                     | Ratio: 2.33<br>Failed <sup>5</sup> | Ratio: 3.87<br>AA 18pt <sup>2</sup> |
| Hex(0014BA) | Ratio: 8.06<br>Passed <sup>6</sup>  | Ratio: 8.17<br>Passed <sup>6</sup>  | Ratio: 8.09<br>Passed <sup>6</sup>  | Ratio: 2.33<br>Failed <sup>5</sup>  |                                    | Ratio: 1.66<br>Failed <sup>5</sup>  |
| Hex(00063B) | Ratio: 13.38<br>Passed <sup>6</sup> | Ratio: 13.56<br>Passed <sup>6</sup> | Ratio: 13.43<br>Passed <sup>6</sup> | Ratio: 3.87<br>AA 18pt <sup>2</sup> | Ratio: 1.66<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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