

# Converting Colors - WCAG Matrix

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

Hex(CFD6E6) Hex(E0EBFF) Hex(D2CFE6) Hex(676B73) Hex(003BB3) Hex(001133)

|             | Hex(CFD6E6)                                             | Hex(E0EBFF)                         | Hex(D2CFE6)                                             | Hex(676B73)                         | Hex(003BB3)                                             | Hex(001133)                         |
|-------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(CFD6E6) |                                                         | Ratio: 1.21<br>Failed <sup>5</sup>  | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 3.67<br>AA 18pt <sup>2</sup> | Ratio: 6.33<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 12.78<br>Passed <sup>6</sup> |
| Hex(E0EBFF) | Ratio: 1.21<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.27<br>Failed <sup>5</sup>                      | Ratio: 4.46<br>AA 18pt <sup>2</sup> | Ratio: 7.69<br>Passed <sup>6</sup>                      | Ratio: 15.51<br>Passed <sup>6</sup> |
| Hex(D2CFE6) | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 1.27<br>Failed <sup>5</sup>  |                                                         | Ratio: 3.52<br>AA 18pt <sup>2</sup> | Ratio: 6.07<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 12.24<br>Passed <sup>6</sup> |
| Hex(676B73) | Ratio: 3.67<br>AA 18pt <sup>2</sup>                     | Ratio: 4.46<br>AA 18pt <sup>2</sup> | Ratio: 3.52<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 1.73<br>Failed <sup>5</sup>                      | Ratio: 3.48<br>AA 18pt <sup>2</sup> |
| Hex(003BB3) | Ratio: 6.33<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 7.69<br>Passed <sup>6</sup>  | Ratio: 6.07<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.73<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.02<br>Failed <sup>5</sup>  |
| Hex(001133) | Ratio: 12.78<br>Passed <sup>6</sup>                     | Ratio: 15.51<br>Passed <sup>6</sup> | Ratio: 12.24<br>Passed <sup>6</sup>                     | Ratio: 3.48<br>AA 18pt <sup>2</sup> | Ratio: 2.02<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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