

# Converting Colors - WCAG Matrix

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

**Hex(DFFDFF) Hex(D9FDFF) Hex(DFEDFF) Hex(737F80) Hex(00B3BF) Hex(003C40)**

|             | Hex(DFFDFF)                         | Hex(D9FDFF)                         | Hex(DFEDFF)                         | Hex(737F80)                         | Hex(00B3BF)                                             | Hex(003C40)                                             |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(DFFDFF) |                                     | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.11<br>Failed <sup>5</sup>  | Ratio: 3.87<br>AA 18pt <sup>2</sup> | Ratio: 2.39<br>Failed <sup>5</sup>                      | Ratio: 11.41<br>Passed <sup>6</sup>                     |
| Hex(D9FDFF) | Ratio: 1.01<br>Failed <sup>5</sup>  |                                     | Ratio: 1.10<br>Failed <sup>5</sup>  | Ratio: 3.83<br>AA 18pt <sup>2</sup> | Ratio: 2.37<br>Failed <sup>5</sup>                      | Ratio: 11.30<br>Passed <sup>6</sup>                     |
| Hex(DFEDFF) | Ratio: 1.11<br>Failed <sup>5</sup>  | Ratio: 1.10<br>Failed <sup>5</sup>  |                                     | Ratio: 3.49<br>AA 18pt <sup>2</sup> | Ratio: 2.16<br>Failed <sup>5</sup>                      | Ratio: 10.29<br>Passed <sup>6</sup>                     |
| Hex(737F80) | Ratio: 3.87<br>AA 18pt <sup>2</sup> | Ratio: 3.83<br>AA 18pt <sup>2</sup> | Ratio: 3.49<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.62<br>Failed <sup>5</sup>                      | Ratio: 2.95<br>Failed <sup>5</sup>                      |
| Hex(00B3BF) | Ratio: 2.39<br>Failed <sup>5</sup>  | Ratio: 2.37<br>Failed <sup>5</sup>  | Ratio: 2.16<br>Failed <sup>5</sup>  | Ratio: 1.62<br>Failed <sup>5</sup>  |                                                         | Ratio: 4.77<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(003C40) | Ratio: 11.41<br>Passed <sup>6</sup> | Ratio: 11.30<br>Passed <sup>6</sup> | Ratio: 10.29<br>Passed <sup>6</sup> | Ratio: 2.95<br>Failed <sup>5</sup>  | Ratio: 4.77<br>AA <sup>1</sup><br>AAA 18pt <sup>4</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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