

# Converting Colors - WCAG Matrix

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

Hex(CAD1E3) Hex(DEE8FF) Hex(CFCAE3) Hex(656870) Hex(0035B0) Hex(000F30)

|             | Hex(CAD1E3)                                             | Hex(DEE8FF)                                             | Hex(CFCAE3)                                             | Hex(656870)                                             | Hex(0035B0)                                             | Hex(000F30)                         |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(CAD1E3) |                                                         | Ratio: 1.24<br>Failed <sup>5</sup>                      | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 3.65<br>AA 18pt <sup>2</sup>                     | Ratio: 6.43<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 12.37<br>Passed <sup>6</sup> |
| Hex(DEE8FF) | Ratio: 1.24<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.29<br>Failed <sup>5</sup>                      | Ratio: 4.54<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.00<br>Passed <sup>6</sup>                      | Ratio: 15.38<br>Passed <sup>6</sup> |
| Hex(CFCAE3) | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 1.29<br>Failed <sup>5</sup>                      |                                                         | Ratio: 3.51<br>AA 18pt <sup>2</sup>                     | Ratio: 6.18<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 11.89<br>Passed <sup>6</sup> |
| Hex(656870) | Ratio: 3.65<br>AA 18pt <sup>2</sup>                     | Ratio: 4.54<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.51<br>AA 18pt <sup>2</sup>                     |                                                         | Ratio: 1.76<br>Failed <sup>5</sup>                      | Ratio: 3.39<br>AA 18pt <sup>2</sup> |
| Hex(0035B0) | Ratio: 6.43<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.00<br>Passed <sup>6</sup>                      | Ratio: 6.18<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.76<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.92<br>Failed <sup>5</sup>  |
| Hex(000F30) | Ratio: 12.37<br>Passed <sup>6</sup>                     | Ratio: 15.38<br>Passed <sup>6</sup>                     | Ratio: 11.89<br>Passed <sup>6</sup>                     | Ratio: 3.39<br>AA 18pt <sup>2</sup>                     | Ratio: 1.92<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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