

# Converting Colors - WCAG Matrix

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

Hex(C6C7C7) Hex(FFFFFF) Hex(C7C7C7) Hex(636363) Hex(0046A3) Hex(000F24)

|             | Hex(C6C7C7)                                             | Hex(FFFFFF)                                             | Hex(C7C7C7)                                             | Hex(636363)                                             | Hex(0046A3)                                             | Hex(000F24)                         |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(C6C7C7) |                                                         | Ratio: 1.69<br>Failed <sup>5</sup>                      | Ratio: 1.00<br>Failed <sup>5</sup>                      | Ratio: 3.55<br>AA 18pt <sup>2</sup>                     | Ratio: 5.15<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 11.33<br>Passed <sup>6</sup> |
| Hex(FFFFFF) | Ratio: 1.69<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.69<br>Failed <sup>5</sup>                      | Ratio: 6.01<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.73<br>Passed <sup>6</sup>                      | Ratio: 19.20<br>Passed <sup>6</sup> |
| Hex(C7C7C7) | Ratio: 1.00<br>Failed <sup>5</sup>                      | Ratio: 1.69<br>Failed <sup>5</sup>                      |                                                         | Ratio: 3.55<br>AA 18pt <sup>2</sup>                     | Ratio: 5.17<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 11.36<br>Passed <sup>6</sup> |
| Hex(636363) | Ratio: 3.55<br>AA 18pt <sup>2</sup>                     | Ratio: 6.01<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.55<br>AA 18pt <sup>2</sup>                     |                                                         | Ratio: 1.45<br>Failed <sup>5</sup>                      | Ratio: 3.20<br>AA 18pt <sup>2</sup> |
| Hex(0046A3) | Ratio: 5.15<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.73<br>Passed <sup>6</sup>                      | Ratio: 5.17<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.45<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.20<br>Failed <sup>5</sup>  |
| Hex(000F24) | Ratio: 11.33<br>Passed <sup>6</sup>                     | Ratio: 19.20<br>Passed <sup>6</sup>                     | Ratio: 11.36<br>Passed <sup>6</sup>                     | Ratio: 3.20<br>AA 18pt <sup>2</sup>                     | Ratio: 2.20<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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