

# Converting Colors - WCAG Matrix

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

|             | Hex(B19D9D)                        | Hex(B1AFAF)                        | Hex(B1C0C0)                        | Hex(B1D2D2)                        | Hex(B1E4E4)                        | Hex(B1F6F6)                        | Hex(B1FFFF)                        |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(B19D9D) |                                    | Ratio: 1.18<br>Failed <sup>5</sup> | Ratio: 1.37<br>Failed <sup>5</sup> | Ratio: 1.59<br>Failed <sup>5</sup> | Ratio: 1.84<br>Failed <sup>5</sup> | Ratio: 2.13<br>Failed <sup>5</sup> | Ratio: 2.28<br>Failed <sup>5</sup> |
| Hex(B1AFAF) | Ratio: 1.18<br>Failed <sup>5</sup> |                                    | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup> | Ratio: 1.81<br>Failed <sup>5</sup> | Ratio: 1.94<br>Failed <sup>5</sup> |
| Hex(B1C0C0) | Ratio: 1.37<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> |                                    | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 1.56<br>Failed <sup>5</sup> | Ratio: 1.67<br>Failed <sup>5</sup> |
| Hex(B1D2D2) | Ratio: 1.59<br>Failed <sup>5</sup> | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 1.17<br>Failed <sup>5</sup> |                                    | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.43<br>Failed <sup>5</sup> |
| Hex(B1E4E4) | Ratio: 1.84<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup> | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> |                                    | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup> |
| Hex(B1F6F6) | Ratio: 2.13<br>Failed <sup>5</sup> | Ratio: 1.81<br>Failed <sup>5</sup> | Ratio: 1.56<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.15<br>Failed <sup>5</sup> |                                    | Ratio: 1.07<br>Failed <sup>5</sup> |
| Hex(B1FFFF) | Ratio: 2.28<br>Failed <sup>5</sup> | Ratio: 1.94<br>Failed <sup>5</sup> | Ratio: 1.67<br>Failed <sup>5</sup> | Ratio: 1.43<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 1.07<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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