

# Converting Colors - WCAG Matrix

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

|             | Hex(93A7AB)                        | Hex(A4AAAB)                        | Hex(B5ADAB)                        | Hex(C6B0AB)                        | Hex(D7B2AB)                        | Hex(E8B5AB)                        | Hex(FAB8AB)                        | Hex(FFBBAB)                        | Hex(FFBEAB)                        | Hex(FFC1AB)                        |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(93A7AB) |                                    | Ratio: 1.07<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup> | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 1.50<br>Failed <sup>5</sup> | Ratio: 1.55<br>Failed <sup>5</sup> | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 1.61<br>Failed <sup>5</sup> |
| Hex(A4AAAB) | Ratio: 1.07<br>Failed <sup>5</sup> |                                    | Ratio: 1.07<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup> | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.48<br>Failed <sup>5</sup> | Ratio: 1.51<br>Failed <sup>5</sup> |
| Hex(B5ADAB) | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.07<br>Failed <sup>5</sup> |                                    | Ratio: 1.07<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.31<br>Failed <sup>5</sup> | Ratio: 1.36<br>Failed <sup>5</sup> | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup> |
| Hex(C6B0AB) | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.07<br>Failed <sup>5</sup> |                                    | Ratio: 1.06<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 1.27<br>Failed <sup>5</sup> | Ratio: 1.29<br>Failed <sup>5</sup> | Ratio: 1.32<br>Failed <sup>5</sup> |
| Hex(D7B2AB) | Ratio: 1.30<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.06<br>Failed <sup>5</sup> |                                    | Ratio: 1.07<br>Failed <sup>5</sup> | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.24<br>Failed <sup>5</sup> |
| Hex(E8B5AB) | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.07<br>Failed <sup>5</sup> |                                    | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> |
| Hex(FAB8AB) | Ratio: 1.50<br>Failed <sup>5</sup> | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.31<br>Failed <sup>5</sup> | Ratio: 1.23<br>Failed <sup>5</sup> | Ratio: 1.15<br>Failed <sup>5</sup> | Ratio: 1.08<br>Failed <sup>5</sup> |                                    | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.06<br>Failed <sup>5</sup> | Ratio: 1.08<br>Failed <sup>5</sup> |
| Hex(FFBBAB) | Ratio: 1.55<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.36<br>Failed <sup>5</sup> | Ratio: 1.27<br>Failed <sup>5</sup> | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> |                                    | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> |
| Hex(FFBEAB) | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 1.48<br>Failed <sup>5</sup> | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 1.29<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.06<br>Failed <sup>5</sup> | Ratio: 1.02<br>Failed <sup>5</sup> |                                    | Ratio: 1.02<br>Failed <sup>5</sup> |
| Hex(FFC1AB) | Ratio: 1.61<br>Failed <sup>5</sup> | Ratio: 1.51<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.32<br>Failed <sup>5</sup> | Ratio: 1.24<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup> | Ratio: 1.08<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 1.02<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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