

# Converting Colors - WCAG Matrix

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

**Hex(938891) Hex(FFFCFF) Hex(C9BEC7) Hex(E5D9E3) Hex(FFF6FF)**

| Hex(938891) |                                     | Ratio: 3.34<br>AA 18pt <sup>2</sup> | Ratio: 1.89<br>Failed <sup>5</sup> | Ratio: 2.49<br>Failed <sup>5</sup> | Ratio: 3.22<br>AA 18pt <sup>2</sup> |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|
| Hex(FFFCFF) | Ratio: 3.34<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.77<br>Failed <sup>5</sup> | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup>  |
| Hex(C9BEC7) | Ratio: 1.89<br>Failed <sup>5</sup>  | Ratio: 1.77<br>Failed <sup>5</sup>  |                                    | Ratio: 1.32<br>Failed <sup>5</sup> | Ratio: 1.70<br>Failed <sup>5</sup>  |
| Hex(E5D9E3) | Ratio: 2.49<br>Failed <sup>5</sup>  | Ratio: 1.34<br>Failed <sup>5</sup>  | Ratio: 1.32<br>Failed <sup>5</sup> |                                    | Ratio: 1.29<br>Failed <sup>5</sup>  |
| Hex(FFF6FF) | Ratio: 3.22<br>AA 18pt <sup>2</sup> | Ratio: 1.04<br>Failed <sup>5</sup>  | Ratio: 1.70<br>Failed <sup>5</sup> | Ratio: 1.29<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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