

# Converting Colors - WCAG Matrix

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

**Hex(9C9499) Hex(B6AEB4) Hex(D2CACF) Hex(EEE6EB) Hex(FFFFFF)**

| <b>Hex(9C9499)</b> |                                                    | Ratio: <a href="#">1.36</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.84</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.41</a><br>Failed <sup>5</sup> |
|--------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| <b>Hex(B6AEB4)</b> | Ratio: <a href="#">1.36</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.35</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.77</a><br>Failed <sup>5</sup> |
| <b>Hex(D2CACF)</b> | Ratio: <a href="#">1.84</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.35</a><br>Failed <sup>5</sup> |                                                    | Ratio: <a href="#">1.31</a><br>Failed <sup>5</sup> |
| <b>Hex(EEE6EB)</b> | Ratio: <a href="#">2.41</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.77</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.31</a><br>Failed <sup>5</sup> |                                                    |
| <b>Hex(FFFFFF)</b> | Ratio: <a href="#">2.95</a><br>Failed <sup>5</sup> | Ratio: <a href="#">2.16</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.60</a><br>Failed <sup>5</sup> | Ratio: <a href="#">1.22</a><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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