

# Converting Colors - WCAG Matrix

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

Hex(E3E4CF) Hex(FEFFE3) Hex(D9E4CF) Hex(727367) Hex(AAB300) Hex(313300)

|             | Hex(E3E4CF)                         | Hex(FEFFE3)                                             | Hex(D9E4CF)                         | Hex(727367)                                             | Hex(AAB300)                                             | Hex(313300)                                             |
|-------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(E3E4CF) |                                     | Ratio: 1.27<br>Failed <sup>5</sup>                      | Ratio: 1.02<br>Failed <sup>5</sup>  | Ratio: 3.73<br>AA 18pt <sup>2</sup>                     | Ratio: 1.78<br>Failed <sup>5</sup>                      | Ratio: 10.14<br>Passed <sup>6</sup>                     |
| Hex(FEFFE3) | Ratio: 1.27<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.29<br>Failed <sup>5</sup>  | Ratio: 4.73<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.25<br>Failed <sup>5</sup>                      | Ratio: 12.86<br>Passed <sup>6</sup>                     |
| Hex(D9E4CF) | Ratio: 1.02<br>Failed <sup>5</sup>  | Ratio: 1.29<br>Failed <sup>5</sup>                      |                                     | Ratio: 3.65<br>AA 18pt <sup>2</sup>                     | Ratio: 1.74<br>Failed <sup>5</sup>                      | Ratio: 9.94<br>Passed <sup>6</sup>                      |
| Hex(727367) | Ratio: 3.73<br>AA 18pt <sup>2</sup> | Ratio: 4.73<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.65<br>AA 18pt <sup>2</sup> |                                                         | Ratio: 2.10<br>Failed <sup>5</sup>                      | Ratio: 2.72<br>Failed <sup>5</sup>                      |
| Hex(AAB300) | Ratio: 1.78<br>Failed <sup>5</sup>  | Ratio: 2.25<br>Failed <sup>5</sup>                      | Ratio: 1.74<br>Failed <sup>5</sup>  | Ratio: 2.10<br>Failed <sup>5</sup>                      |                                                         | Ratio: 5.71<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(313300) | Ratio: 10.14<br>Passed <sup>6</sup> | Ratio: 12.86<br>Passed <sup>6</sup>                     | Ratio: 9.94<br>Passed <sup>6</sup>  | Ratio: 2.72<br>Failed <sup>5</sup>                      | Ratio: 5.71<br>AA <sup>1</sup><br>AAA 18pt <sup>4</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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