

# Converting Colors - WCAG Matrix

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

Hex(C49EA1) Hex(FFC4C7) Hex(9EC4B0) Hex(635959) Hex(A3000A) Hex(240003)

|             | Hex(C49EA1)                         | Hex(FFC4C7)                                             | Hex(9EC4B0)                         | Hex(635959)                                             | Hex(A3000A)                                             | Hex(240003)                         |
|-------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(C49EA1) |                                     | Ratio: 1.60<br>Failed <sup>5</sup>                      | Ratio: 1.25<br>Failed <sup>5</sup>  | Ratio: 2.82<br>Failed <sup>5</sup>                      | Ratio: 3.42<br>AA 18pt <sup>2</sup>                     | Ratio: 8.13<br>Passed <sup>6</sup>  |
| Hex(FFC4C7) | Ratio: 1.60<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.27<br>Failed <sup>5</sup>  | Ratio: 4.50<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.45<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 12.98<br>Passed <sup>6</sup> |
| Hex(9EC4B0) | Ratio: 1.25<br>Failed <sup>5</sup>  | Ratio: 1.27<br>Failed <sup>5</sup>                      |                                     | Ratio: 3.54<br>AA 18pt <sup>2</sup>                     | Ratio: 4.29<br>AA 18pt <sup>2</sup>                     | Ratio: 10.20<br>Passed <sup>6</sup> |
| Hex(635959) | Ratio: 2.82<br>Failed <sup>5</sup>  | Ratio: 4.50<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.54<br>AA 18pt <sup>2</sup> |                                                         | Ratio: 1.21<br>Failed <sup>5</sup>                      | Ratio: 2.88<br>Failed <sup>5</sup>  |
| Hex(A3000A) | Ratio: 3.42<br>AA 18pt <sup>2</sup> | Ratio: 5.45<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.29<br>AA 18pt <sup>2</sup> | Ratio: 1.21<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.38<br>Failed <sup>5</sup>  |
| Hex(240003) | Ratio: 8.13<br>Passed <sup>6</sup>  | Ratio: 12.98<br>Passed <sup>6</sup>                     | Ratio: 10.20<br>Passed <sup>6</sup> | Ratio: 2.88<br>Failed <sup>5</sup>                      | Ratio: 2.38<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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