

# Converting Colors - WCAG Matrix

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

Hex(B0909C) Hex(E6B3C6) Hex(90B094) Hex(595054) Hex(990039) Hex(1A000A)

|             | Hex(B0909C)                                             | Hex(E6B3C6)                                             | Hex(90B094)                         | Hex(595054)                         | Hex(990039)                                             | Hex(1A000A)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(B0909C) |                                                         | Ratio: 1.59<br>Failed <sup>5</sup>                      | Ratio: 1.21<br>Failed <sup>5</sup>  | Ratio: 2.71<br>Failed <sup>5</sup>  | Ratio: 3.03<br>AA 18pt <sup>2</sup>                     | Ratio: 6.98<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(E6B3C6) | Ratio: 1.59<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.32<br>Failed <sup>5</sup>  | Ratio: 4.31<br>AA 18pt <sup>2</sup> | Ratio: 4.82<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 11.09<br>Passed <sup>6</sup>                     |
| Hex(90B094) | Ratio: 1.21<br>Failed <sup>5</sup>                      | Ratio: 1.32<br>Failed <sup>5</sup>                      |                                     | Ratio: 3.27<br>AA 18pt <sup>2</sup> | Ratio: 3.66<br>AA 18pt <sup>2</sup>                     | Ratio: 8.42<br>Passed <sup>6</sup>                      |
| Hex(595054) | Ratio: 2.71<br>Failed <sup>5</sup>                      | Ratio: 4.31<br>AA 18pt <sup>2</sup>                     | Ratio: 3.27<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.12<br>Failed <sup>5</sup>                      | Ratio: 2.58<br>Failed <sup>5</sup>                      |
| Hex(990039) | Ratio: 3.03<br>AA 18pt <sup>2</sup>                     | Ratio: 4.82<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.66<br>AA 18pt <sup>2</sup> | Ratio: 1.12<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.30<br>Failed <sup>5</sup>                      |
| Hex(1A000A) | Ratio: 6.98<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 11.09<br>Passed <sup>6</sup>                     | Ratio: 8.42<br>Passed <sup>6</sup>  | Ratio: 2.58<br>Failed <sup>5</sup>  | Ratio: 2.30<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.

This PDF was generated on [convertingcolors.com](https://convertingcolors.com).