

# Converting Colors - WCAG Matrix

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

Hex(A086B5) Hex(CAA2EB) Hex(B586B3) Hex(555059) Hex(550099) Hex(0E001A)

|             | Hex(A086B5)                                             | Hex(CAA2EB)                                             | Hex(B586B3)                                             | Hex(555059)                         | Hex(550099)                                             | Hex(0E001A)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(A086B5) |                                                         | Ratio: 1.50<br>Failed <sup>5</sup>                      | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 2.45<br>Failed <sup>5</sup>  | Ratio: 3.56<br>AA 18pt <sup>2</sup>                     | Ratio: 6.36<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(CAA2EB) | Ratio: 1.50<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.41<br>Failed <sup>5</sup>                      | Ratio: 3.69<br>AA 18pt <sup>2</sup> | Ratio: 5.35<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 9.56<br>Passed <sup>6</sup>                      |
| Hex(B586B3) | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 1.41<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.62<br>Failed <sup>5</sup>  | Ratio: 3.81<br>AA 18pt <sup>2</sup>                     | Ratio: 6.80<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(555059) | Ratio: 2.45<br>Failed <sup>5</sup>                      | Ratio: 3.69<br>AA 18pt <sup>2</sup>                     | Ratio: 2.62<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.45<br>Failed <sup>5</sup>                      | Ratio: 2.59<br>Failed <sup>5</sup>                      |
| Hex(550099) | Ratio: 3.56<br>AA 18pt <sup>2</sup>                     | Ratio: 5.35<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.81<br>AA 18pt <sup>2</sup>                     | Ratio: 1.45<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.79<br>Failed <sup>5</sup>                      |
| Hex(0E001A) | Ratio: 6.36<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 9.56<br>Passed <sup>6</sup>                      | Ratio: 6.80<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.59<br>Failed <sup>5</sup>  | Ratio: 1.79<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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