

# Converting Colors - WCAG Matrix

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

Hex(B17CAB) Hex(E693DD) Hex(B19C7C) Hex(595058) Hex(990089) Hex(1A0017)

|             | Hex(B17CAB)                                             | Hex(E693DD)                         | Hex(B19C7C)                        | Hex(595058)                         | Hex(990089)                         | Hex(1A0017)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(B17CAB) |                                                         | Ratio: 1.51<br>Failed <sup>5</sup>  | Ratio: 1.25<br>Failed <sup>5</sup> | Ratio: 2.34<br>Failed <sup>5</sup>  | Ratio: 2.33<br>Failed <sup>5</sup>  | Ratio: 6.00<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(E693DD) | Ratio: 1.51<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.21<br>Failed <sup>5</sup> | Ratio: 3.53<br>AA 18pt <sup>2</sup> | Ratio: 3.53<br>AA 18pt <sup>2</sup> | Ratio: 9.07<br>Passed <sup>6</sup>                      |
| Hex(B19C7C) | Ratio: 1.25<br>Failed <sup>5</sup>                      | Ratio: 1.21<br>Failed <sup>5</sup>  |                                    | Ratio: 2.92<br>Failed <sup>5</sup>  | Ratio: 2.91<br>Failed <sup>5</sup>  | Ratio: 7.49<br>Passed <sup>6</sup>                      |
| Hex(595058) | Ratio: 2.34<br>Failed <sup>5</sup>                      | Ratio: 3.53<br>AA 18pt <sup>2</sup> | Ratio: 2.92<br>Failed <sup>5</sup> |                                     | Ratio: 1.00<br>Failed <sup>5</sup>  | Ratio: 2.57<br>Failed <sup>5</sup>                      |
| Hex(990089) | Ratio: 2.33<br>Failed <sup>5</sup>                      | Ratio: 3.53<br>AA 18pt <sup>2</sup> | Ratio: 2.91<br>Failed <sup>5</sup> | Ratio: 1.00<br>Failed <sup>5</sup>  |                                     | Ratio: 2.57<br>Failed <sup>5</sup>                      |
| Hex(1A0017) | Ratio: 6.00<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 9.07<br>Passed <sup>6</sup>  | Ratio: 7.49<br>Passed <sup>6</sup> | Ratio: 2.57<br>Failed <sup>5</sup>  | Ratio: 2.57<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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