

# Converting Colors - WCAG Matrix

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

Hex(B5646C) Hex(EB6C78) Hex(B58464) Hex(595051) Hex(99000F) Hex(1A0003)

|             | Hex(B5646C)                                             | Hex(EB6C78)                                             | Hex(B58464)                                             | Hex(595051)                        | Hex(99000F)                        | Hex(1A0003)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|------------------------------------|------------------------------------|---------------------------------------------------------|
| Hex(B5646C) |                                                         | Ratio: 1.39<br>Failed <sup>5</sup>                      | Ratio: 1.29<br>Failed <sup>5</sup>                      | Ratio: 1.86<br>Failed <sup>5</sup> | Ratio: 2.12<br>Failed <sup>5</sup> | Ratio: 4.79<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(EB6C78) | Ratio: 1.39<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.08<br>Failed <sup>5</sup>                      | Ratio: 2.58<br>Failed <sup>5</sup> | Ratio: 2.94<br>Failed <sup>5</sup> | Ratio: 6.65<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(B58464) | Ratio: 1.29<br>Failed <sup>5</sup>                      | Ratio: 1.08<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.40<br>Failed <sup>5</sup> | Ratio: 2.73<br>Failed <sup>5</sup> | Ratio: 6.17<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(595051) | Ratio: 1.86<br>Failed <sup>5</sup>                      | Ratio: 2.58<br>Failed <sup>5</sup>                      | Ratio: 2.40<br>Failed <sup>5</sup>                      |                                    | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 2.57<br>Failed <sup>5</sup>                      |
| Hex(99000F) | Ratio: 2.12<br>Failed <sup>5</sup>                      | Ratio: 2.94<br>Failed <sup>5</sup>                      | Ratio: 2.73<br>Failed <sup>5</sup>                      | Ratio: 1.14<br>Failed <sup>5</sup> |                                    | Ratio: 2.26<br>Failed <sup>5</sup>                      |
| Hex(1A0003) | Ratio: 4.79<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.65<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.17<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.57<br>Failed <sup>5</sup> | Ratio: 2.26<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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