

# Converting Colors - WCAG Matrix

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

Hex(908CBA) Hex(B0AAF2) Hex(A78CBA) Hex(53535C) Hex(0E009C) Hex(02001C)

|             | Hex(908CBA)                                             | Hex(B0AAF2)                                             | Hex(A78CBA)                                             | Hex(53535C)                         | Hex(0E009C)                                             | Hex(02001C)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(908CBA) |                                                         | Ratio: 1.49<br>Failed <sup>5</sup>                      | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 2.41<br>Failed <sup>5</sup>  | Ratio: 4.43<br>AA 18pt <sup>2</sup>                     | Ratio: 6.52<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(B0AAF2) | Ratio: 1.49<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.39<br>Failed <sup>5</sup>                      | Ratio: 3.58<br>AA 18pt <sup>2</sup> | Ratio: 6.59<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 9.69<br>Passed <sup>6</sup>                      |
| Hex(A78CBA) | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 1.39<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.57<br>Failed <sup>5</sup>  | Ratio: 4.74<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.97<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(53535C) | Ratio: 2.41<br>Failed <sup>5</sup>                      | Ratio: 3.58<br>AA 18pt <sup>2</sup>                     | Ratio: 2.57<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.84<br>Failed <sup>5</sup>                      | Ratio: 2.71<br>Failed <sup>5</sup>                      |
| Hex(0E009C) | Ratio: 4.43<br>AA 18pt <sup>2</sup>                     | Ratio: 6.59<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.74<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.84<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.47<br>Failed <sup>5</sup>                      |
| Hex(02001C) | Ratio: 6.52<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 9.69<br>Passed <sup>6</sup>                      | Ratio: 6.97<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.71<br>Failed <sup>5</sup>  | Ratio: 1.47<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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