

# Converting Colors - WCAG Matrix

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

Hex(7A777E) Hex(9D98A3) Hex(7D777E) Hex(3D3B40) Hex(370080) Hex(000000)

|             | Hex(7A777E)                                             | Hex(9D98A3)                                             | Hex(7D777E)                                             | Hex(3D3B40)                         | Hex(370080)                                             | Hex(000000)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(7A777E) |                                                         | Ratio: 1.56<br>Failed <sup>5</sup>                      | Ratio: 1.01<br>Failed <sup>5</sup>                      | Ratio: 2.51<br>Failed <sup>5</sup>  | Ratio: 3.23<br>AA 18pt <sup>2</sup>                     | Ratio: 4.77<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(9D98A3) | Ratio: 1.56<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.55<br>Failed <sup>5</sup>                      | Ratio: 3.93<br>AA 18pt <sup>2</sup> | Ratio: 5.06<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 7.45<br>Passed <sup>6</sup>                      |
| Hex(7D777E) | Ratio: 1.01<br>Failed <sup>5</sup>                      | Ratio: 1.55<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.54<br>Failed <sup>5</sup>  | Ratio: 3.26<br>AA 18pt <sup>2</sup>                     | Ratio: 4.81<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(3D3B40) | Ratio: 2.51<br>Failed <sup>5</sup>                      | Ratio: 3.93<br>AA 18pt <sup>2</sup>                     | Ratio: 2.54<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.29<br>Failed <sup>5</sup>                      | Ratio: 1.90<br>Failed <sup>5</sup>                      |
| Hex(370080) | Ratio: 3.23<br>AA 18pt <sup>2</sup>                     | Ratio: 5.06<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.26<br>AA 18pt <sup>2</sup>                     | Ratio: 1.29<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.47<br>Failed <sup>5</sup>                      |
| Hex(000000) | Ratio: 4.77<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 7.45<br>Passed <sup>6</sup>                      | Ratio: 4.81<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.90<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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