

# Converting Colors - WCAG Matrix

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

Hex(6F8182) Hex(8AA6A8) Hex(6F7782) Hex(3C4242) Hex(007982) Hex(000203)

|             | Hex(6F8182)                                             | Hex(8AA6A8)                         | Hex(6F7782)                                             | Hex(3C4242)                         | Hex(007982)                         | Hex(000203)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(6F8182) |                                                         | Ratio: 1.58<br>Failed <sup>5</sup>  | Ratio: 1.11<br>Failed <sup>5</sup>                      | Ratio: 2.51<br>Failed <sup>5</sup>  | Ratio: 1.27<br>Failed <sup>5</sup>  | Ratio: 5.09<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(8AA6A8) | Ratio: 1.58<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.75<br>Failed <sup>5</sup>                      | Ratio: 3.95<br>AA 18pt <sup>2</sup> | Ratio: 2.00<br>Failed <sup>5</sup>  | Ratio: 8.02<br>Passed <sup>6</sup>                      |
| Hex(6F7782) | Ratio: 1.11<br>Failed <sup>5</sup>                      | Ratio: 1.75<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.26<br>Failed <sup>5</sup>  | Ratio: 1.14<br>Failed <sup>5</sup>  | Ratio: 4.59<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(3C4242) | Ratio: 2.51<br>Failed <sup>5</sup>                      | Ratio: 3.95<br>AA 18pt <sup>2</sup> | Ratio: 2.26<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.98<br>Failed <sup>5</sup>  | Ratio: 2.03<br>Failed <sup>5</sup>                      |
| Hex(007982) | Ratio: 1.27<br>Failed <sup>5</sup>                      | Ratio: 2.00<br>Failed <sup>5</sup>  | Ratio: 1.14<br>Failed <sup>5</sup>                      | Ratio: 1.98<br>Failed <sup>5</sup>  |                                     | Ratio: 4.02<br>AA 18pt <sup>2</sup>                     |
| Hex(000203) | Ratio: 5.09<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.02<br>Passed <sup>6</sup>  | Ratio: 4.59<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.03<br>Failed <sup>5</sup>  | Ratio: 4.02<br>AA 18pt <sup>2</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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