

# Converting Colors - WCAG Matrix

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

Hex(7290A3) Hex(87B6D4) Hex(7278A3) Hex(494E52) Hex(005891) Hex(000B12)

|             | Hex(7290A3)                                             | Hex(87B6D4)                         | Hex(7278A3)                                             | Hex(494E52)                         | Hex(005891)                         | Hex(000B12)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(7290A3) |                                                         | Ratio: 1.55<br>Failed <sup>5</sup>  | Ratio: 1.26<br>Failed <sup>5</sup>                      | Ratio: 2.50<br>Failed <sup>5</sup>  | Ratio: 2.22<br>Failed <sup>5</sup>  | Ratio: 5.90<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(87B6D4) | Ratio: 1.55<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.96<br>Failed <sup>5</sup>                      | Ratio: 3.88<br>AA 18pt <sup>2</sup> | Ratio: 3.45<br>AA 18pt <sup>2</sup> | Ratio: 9.15<br>Passed <sup>6</sup>                      |
| Hex(7278A3) | Ratio: 1.26<br>Failed <sup>5</sup>                      | Ratio: 1.96<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.98<br>Failed <sup>5</sup>  | Ratio: 1.76<br>Failed <sup>5</sup>  | Ratio: 4.67<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(494E52) | Ratio: 2.50<br>Failed <sup>5</sup>                      | Ratio: 3.88<br>AA 18pt <sup>2</sup> | Ratio: 1.98<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.12<br>Failed <sup>5</sup>  | Ratio: 2.36<br>Failed <sup>5</sup>                      |
| Hex(005891) | Ratio: 2.22<br>Failed <sup>5</sup>                      | Ratio: 3.45<br>AA 18pt <sup>2</sup> | Ratio: 1.76<br>Failed <sup>5</sup>                      | Ratio: 1.12<br>Failed <sup>5</sup>  |                                     | Ratio: 2.65<br>Failed <sup>5</sup>                      |
| Hex(000B12) | Ratio: 5.90<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 9.15<br>Passed <sup>6</sup>  | Ratio: 4.67<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.36<br>Failed <sup>5</sup>  | Ratio: 2.65<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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