

# Converting Colors - WCAG Matrix

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

Hex(436371) Hex(4B7B94) Hex(434B71) Hex(323538) Hex(005078) Hex(00A8F7)

|             | Hex(436371)                        | Hex(4B7B94)                        | Hex(434B71)                         | Hex(323538)                                             | Hex(005078)                         | Hex(00A8F7)                                             |
|-------------|------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(436371) |                                    | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 1.31<br>Failed <sup>5</sup>  | Ratio: 1.92<br>Failed <sup>5</sup>                      | Ratio: 1.35<br>Failed <sup>5</sup>  | Ratio: 2.44<br>Failed <sup>5</sup>                      |
| Hex(4B7B94) | Ratio: 1.40<br>Failed <sup>5</sup> |                                    | Ratio: 1.84<br>Failed <sup>5</sup>  | Ratio: 2.68<br>Failed <sup>5</sup>                      | Ratio: 1.89<br>Failed <sup>5</sup>  | Ratio: 1.74<br>Failed <sup>5</sup>                      |
| Hex(434B71) | Ratio: 1.31<br>Failed <sup>5</sup> | Ratio: 1.84<br>Failed <sup>5</sup> |                                     | Ratio: 1.46<br>Failed <sup>5</sup>                      | Ratio: 1.03<br>Failed <sup>5</sup>  | Ratio: 3.20<br>AA 18pt <sup>2</sup>                     |
| Hex(323538) | Ratio: 1.92<br>Failed <sup>5</sup> | Ratio: 2.68<br>Failed <sup>5</sup> | Ratio: 1.46<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.42<br>Failed <sup>5</sup>  | Ratio: 4.67<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(005078) | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 1.89<br>Failed <sup>5</sup> | Ratio: 1.03<br>Failed <sup>5</sup>  | Ratio: 1.42<br>Failed <sup>5</sup>                      |                                     | Ratio: 3.28<br>AA 18pt <sup>2</sup>                     |
| Hex(00A8F7) | Ratio: 2.44<br>Failed <sup>5</sup> | Ratio: 1.74<br>Failed <sup>5</sup> | Ratio: 3.20<br>AA 18pt <sup>2</sup> | Ratio: 4.67<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.28<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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