

# Converting Colors - WCAG Matrix

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

Hex(A2D7E3) Hex(A8EFFF) Hex(A2B7E3) Hex(677173) Hex(0092B3) Hex(002A33)

|             | Hex(A2D7E3)                         | Hex(A8EFFF)                         | Hex(A2B7E3)                        | Hex(677173)                         | Hex(0092B3)                         | Hex(002A33)                         |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(A2D7E3) |                                     | Ratio: 1.23<br>Failed <sup>5</sup>  | Ratio: 1.28<br>Failed <sup>5</sup> | Ratio: 3.19<br>AA 18pt <sup>2</sup> | Ratio: 2.32<br>Failed <sup>5</sup>  | Ratio: 9.69<br>Passed <sup>6</sup>  |
| Hex(A8EFFF) | Ratio: 1.23<br>Failed <sup>5</sup>  |                                     | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 3.93<br>AA 18pt <sup>2</sup> | Ratio: 2.86<br>Failed <sup>5</sup>  | Ratio: 11.93<br>Passed <sup>6</sup> |
| Hex(A2B7E3) | Ratio: 1.28<br>Failed <sup>5</sup>  | Ratio: 1.58<br>Failed <sup>5</sup>  |                                    | Ratio: 2.49<br>Failed <sup>5</sup>  | Ratio: 1.81<br>Failed <sup>5</sup>  | Ratio: 7.56<br>Passed <sup>6</sup>  |
| Hex(677173) | Ratio: 3.19<br>AA 18pt <sup>2</sup> | Ratio: 3.93<br>AA 18pt <sup>2</sup> | Ratio: 2.49<br>Failed <sup>5</sup> |                                     | Ratio: 1.38<br>Failed <sup>5</sup>  | Ratio: 3.04<br>AA 18pt <sup>2</sup> |
| Hex(0092B3) | Ratio: 2.32<br>Failed <sup>5</sup>  | Ratio: 2.86<br>Failed <sup>5</sup>  | Ratio: 1.81<br>Failed <sup>5</sup> | Ratio: 1.38<br>Failed <sup>5</sup>  |                                     | Ratio: 4.18<br>AA 18pt <sup>2</sup> |
| Hex(002A33) | Ratio: 9.69<br>Passed <sup>6</sup>  | Ratio: 11.93<br>Passed <sup>6</sup> | Ratio: 7.56<br>Passed <sup>6</sup> | Ratio: 3.04<br>AA 18pt <sup>2</sup> | Ratio: 4.18<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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