

# Converting Colors - WCAG Matrix

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

Hex(A0CBD6) Hex(B3EFFF) Hex(A0B0D6) Hex(60696B) Hex(0088AB) Hex(00232B)

|             | Hex(A0CBD6)                         | Hex(B3EFFF)                         | Hex(A0B0D6)                        | Hex(60696B)                         | Hex(0088AB)                         | Hex(00232B)                         |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(A0CBD6) |                                     | Ratio: 1.39<br>Failed <sup>5</sup>  | Ratio: 1.24<br>Failed <sup>5</sup> | Ratio: 3.22<br>AA 18pt <sup>2</sup> | Ratio: 2.35<br>Failed <sup>5</sup>  | Ratio: 9.42<br>Passed <sup>6</sup>  |
| Hex(B3EFFF) | Ratio: 1.39<br>Failed <sup>5</sup>  |                                     | Ratio: 1.73<br>Failed <sup>5</sup> | Ratio: 4.48<br>AA 18pt <sup>2</sup> | Ratio: 3.27<br>AA 18pt <sup>2</sup> | Ratio: 13.10<br>Passed <sup>6</sup> |
| Hex(A0B0D6) | Ratio: 1.24<br>Failed <sup>5</sup>  | Ratio: 1.73<br>Failed <sup>5</sup>  |                                    | Ratio: 2.59<br>Failed <sup>5</sup>  | Ratio: 1.89<br>Failed <sup>5</sup>  | Ratio: 7.59<br>Passed <sup>6</sup>  |
| Hex(60696B) | Ratio: 3.22<br>AA 18pt <sup>2</sup> | Ratio: 4.48<br>AA 18pt <sup>2</sup> | Ratio: 2.59<br>Failed <sup>5</sup> |                                     | Ratio: 1.37<br>Failed <sup>5</sup>  | Ratio: 2.93<br>Failed <sup>5</sup>  |
| Hex(0088AB) | Ratio: 2.35<br>Failed <sup>5</sup>  | Ratio: 3.27<br>AA 18pt <sup>2</sup> | Ratio: 1.89<br>Failed <sup>5</sup> | Ratio: 1.37<br>Failed <sup>5</sup>  |                                     | Ratio: 4.01<br>AA 18pt <sup>2</sup> |
| Hex(00232B) | Ratio: 9.42<br>Passed <sup>6</sup>  | Ratio: 13.10<br>Passed <sup>6</sup> | Ratio: 7.59<br>Passed <sup>6</sup> | Ratio: 2.93<br>Failed <sup>5</sup>  | Ratio: 4.01<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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