

# Converting Colors - WCAG Matrix

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

**Hex(6DC5C5) Hex(75FFFF) Hex(6D99C5) Hex(5A6363) Hex(00A3A3) Hex(002424)**

|             | Hex(6DC5C5)                         | Hex(75FFFF)                                             | Hex(6D99C5)                                             | Hex(5A6363)                                             | Hex(00A3A3)                                             | Hex(002424)                                             |
|-------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(6DC5C5) |                                     | Ratio: 1.68<br>Failed <sup>5</sup>                      | Ratio: 1.49<br>Failed <sup>5</sup>                      | Ratio: 3.07<br>AA 18pt <sup>2</sup>                     | Ratio: 1.54<br>Failed <sup>5</sup>                      | Ratio: 8.17<br>Passed <sup>6</sup>                      |
| Hex(75FFFF) | Ratio: 1.68<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.50<br>Failed <sup>5</sup>                      | Ratio: 5.15<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.59<br>Failed <sup>5</sup>                      | Ratio: 13.70<br>Passed <sup>6</sup>                     |
| Hex(6D99C5) | Ratio: 1.49<br>Failed <sup>5</sup>  | Ratio: 2.50<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.06<br>Failed <sup>5</sup>                      | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 5.49<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(5A6363) | Ratio: 3.07<br>AA 18pt <sup>2</sup> | Ratio: 5.15<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.06<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.99<br>Failed <sup>5</sup>                      | Ratio: 2.66<br>Failed <sup>5</sup>                      |
| Hex(00A3A3) | Ratio: 1.54<br>Failed <sup>5</sup>  | Ratio: 2.59<br>Failed <sup>5</sup>                      | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 1.99<br>Failed <sup>5</sup>                      |                                                         | Ratio: 5.30<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(002424) | Ratio: 8.17<br>Passed <sup>6</sup>  | Ratio: 13.70<br>Passed <sup>6</sup>                     | Ratio: 5.49<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.66<br>Failed <sup>5</sup>                      | Ratio: 5.30<br>AA <sup>1</sup><br>AAA 18pt <sup>4</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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