

# Converting Colors - WCAG Matrix

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

Hex(3FD5B4) Hex(26FFCF) Hex(3FADD5) Hex(606B69) Hex(00AB85) Hex(002B22)

|             | Hex(3FD5B4)                        | Hex(26FFCF)                         | Hex(3FADD5)                                             | Hex(606B69)                         | Hex(00AB85)                                             | Hex(002B22)                                             |
|-------------|------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(3FD5B4) |                                    | Ratio: 1.43<br>Failed <sup>5</sup>  | Ratio: 1.40<br>Failed <sup>5</sup>                      | Ratio: 2.99<br>Failed <sup>5</sup>  | Ratio: 1.59<br>Failed <sup>5</sup>                      | Ratio: 8.32<br>Passed <sup>6</sup>                      |
| Hex(26FFCF) | Ratio: 1.43<br>Failed <sup>5</sup> |                                     | Ratio: 2.00<br>Failed <sup>5</sup>                      | Ratio: 4.28<br>AA 18pt <sup>2</sup> | Ratio: 2.27<br>Failed <sup>5</sup>                      | Ratio: 11.90<br>Passed <sup>6</sup>                     |
| Hex(3FADD5) | Ratio: 1.40<br>Failed <sup>5</sup> | Ratio: 2.00<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.14<br>Failed <sup>5</sup>  | Ratio: 1.14<br>Failed <sup>5</sup>                      | Ratio: 5.95<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(606B69) | Ratio: 2.99<br>Failed <sup>5</sup> | Ratio: 4.28<br>AA 18pt <sup>2</sup> | Ratio: 2.14<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.88<br>Failed <sup>5</sup>                      | Ratio: 2.78<br>Failed <sup>5</sup>                      |
| Hex(00AB85) | Ratio: 1.59<br>Failed <sup>5</sup> | Ratio: 2.27<br>Failed <sup>5</sup>  | Ratio: 1.14<br>Failed <sup>5</sup>                      | Ratio: 1.88<br>Failed <sup>5</sup>  |                                                         | Ratio: 5.23<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(002B22) | Ratio: 8.32<br>Passed <sup>6</sup> | Ratio: 11.90<br>Passed <sup>6</sup> | Ratio: 5.95<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.78<br>Failed <sup>5</sup>  | Ratio: 5.23<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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