

# Converting Colors - WCAG Matrix

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

**Hex(004680) Hex(748FA6) Hex(008039) Hex(364754) Hex(D4D4D4) Hex(545454)**

|             | Hex(004680)                                             | Hex(748FA6)                        | Hex(008039)                         | Hex(364754)                                             | Hex(D4D4D4)                                             | Hex(545454)                                             |
|-------------|---------------------------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(004680) |                                                         | Ratio: 2.84<br>Failed <sup>5</sup> | Ratio: 1.90<br>Failed <sup>5</sup>  | Ratio: 1.00<br>Failed <sup>5</sup>                      | Ratio: 6.48<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.27<br>Failed <sup>5</sup>                      |
| Hex(748FA6) | Ratio: 2.84<br>Failed <sup>5</sup>                      |                                    | Ratio: 1.50<br>Failed <sup>5</sup>  | Ratio: 2.85<br>Failed <sup>5</sup>                      | Ratio: 2.28<br>Failed <sup>5</sup>                      | Ratio: 2.24<br>Failed <sup>5</sup>                      |
| Hex(008039) | Ratio: 1.90<br>Failed <sup>5</sup>                      | Ratio: 1.50<br>Failed <sup>5</sup> |                                     | Ratio: 1.90<br>Failed <sup>5</sup>                      | Ratio: 3.42<br>AA 18pt <sup>2</sup>                     | Ratio: 1.50<br>Failed <sup>5</sup>                      |
| Hex(364754) | Ratio: 1.00<br>Failed <sup>5</sup>                      | Ratio: 2.85<br>Failed <sup>5</sup> | Ratio: 1.90<br>Failed <sup>5</sup>  |                                                         | Ratio: 6.48<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.27<br>Failed <sup>5</sup>                      |
| Hex(D4D4D4) | Ratio: 6.48<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.28<br>Failed <sup>5</sup> | Ratio: 3.42<br>AA 18pt <sup>2</sup> | Ratio: 6.48<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 5.11<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(545454) | Ratio: 1.27<br>Failed <sup>5</sup>                      | Ratio: 2.24<br>Failed <sup>5</sup> | Ratio: 1.50<br>Failed <sup>5</sup>  | Ratio: 1.27<br>Failed <sup>5</sup>                      | Ratio: 5.11<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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