

# Converting Colors - WCAG Matrix

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

Hex(7F593D) Hex(A6968B) Hex(7F3D63) Hex(544B44) Hex(D4D4D4) Hex(545454)

|             | Hex(7F593D)                         | Hex(A6968B)                        | Hex(7F3D63)                                             | Hex(544B44)                                             | Hex(D4D4D4)                                             | Hex(545454)                                             |
|-------------|-------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(7F593D) |                                     | Ratio: 2.16<br>Failed <sup>5</sup> | Ratio: 1.24<br>Failed <sup>5</sup>                      | Ratio: 1.38<br>Failed <sup>5</sup>                      | Ratio: 4.17<br>AA 18pt <sup>2</sup>                     | Ratio: 1.23<br>Failed <sup>5</sup>                      |
| Hex(A6968B) | Ratio: 2.16<br>Failed <sup>5</sup>  |                                    | Ratio: 2.68<br>Failed <sup>5</sup>                      | Ratio: 2.98<br>Failed <sup>5</sup>                      | Ratio: 1.93<br>Failed <sup>5</sup>                      | Ratio: 2.65<br>Failed <sup>5</sup>                      |
| Hex(7F3D63) | Ratio: 1.24<br>Failed <sup>5</sup>  | Ratio: 2.68<br>Failed <sup>5</sup> |                                                         | Ratio: 1.11<br>Failed <sup>5</sup>                      | Ratio: 5.15<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.01<br>Failed <sup>5</sup>                      |
| Hex(544B44) | Ratio: 1.38<br>Failed <sup>5</sup>  | Ratio: 2.98<br>Failed <sup>5</sup> | Ratio: 1.11<br>Failed <sup>5</sup>                      |                                                         | Ratio: 5.74<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.12<br>Failed <sup>5</sup>                      |
| Hex(D4D4D4) | Ratio: 4.17<br>AA 18pt <sup>2</sup> | Ratio: 1.93<br>Failed <sup>5</sup> | Ratio: 5.15<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.74<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: 1.23<br>Failed <sup>5</sup>  | Ratio: 2.65<br>Failed <sup>5</sup> | Ratio: 1.01<br>Failed <sup>5</sup>                      | Ratio: 1.12<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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