

# Converting Colors - WCAG Matrix

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

**Hex(7C622E) Hex(A19682) Hex(7C2E48) Hex(524B3F) Hex(D1D1D1) Hex(525252)**

|             | Hex(7C622E)                         | Hex(A19682)                         | Hex(7C2E48)                                             | Hex(524B3F)                                             | Hex(D1D1D1)                                             | Hex(525252)                                             |
|-------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(7C622E) |                                     | Ratio: 1.98<br>Failed <sup>5</sup>  | Ratio: 1.56<br>Failed <sup>5</sup>                      | Ratio: 1.50<br>Failed <sup>5</sup>                      | Ratio: 3.77<br>AA 18pt <sup>2</sup>                     | Ratio: 1.36<br>Failed <sup>5</sup>                      |
| Hex(A19682) | Ratio: 1.98<br>Failed <sup>5</sup>  |                                     | Ratio: 3.08<br>AA 18pt <sup>2</sup>                     | Ratio: 2.95<br>Failed <sup>5</sup>                      | Ratio: 1.91<br>Failed <sup>5</sup>                      | Ratio: 2.68<br>Failed <sup>5</sup>                      |
| Hex(7C2E48) | Ratio: 1.56<br>Failed <sup>5</sup>  | Ratio: 3.08<br>AA 18pt <sup>2</sup> |                                                         | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 5.87<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.15<br>Failed <sup>5</sup>                      |
| Hex(524B3F) | Ratio: 1.50<br>Failed <sup>5</sup>  | Ratio: 2.95<br>Failed <sup>5</sup>  | Ratio: 1.04<br>Failed <sup>5</sup>                      |                                                         | Ratio: 5.64<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.10<br>Failed <sup>5</sup>                      |
| Hex(D1D1D1) | Ratio: 3.77<br>AA 18pt <sup>2</sup> | Ratio: 1.91<br>Failed <sup>5</sup>  | Ratio: 5.87<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.64<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 5.12<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(525252) | Ratio: 1.36<br>Failed <sup>5</sup>  | Ratio: 2.68<br>Failed <sup>5</sup>  | Ratio: 1.15<br>Failed <sup>5</sup>                      | Ratio: 1.10<br>Failed <sup>5</sup>                      | Ratio: 5.12<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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