

# Converting Colors - WCAG Matrix

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

Hex(762C00) Hex(997C6B) Hex(76004B) Hex(4D3B31) Hex(CCCCCC) Hex(4D4D4D)

|             | Hex(762C00)                                             | Hex(997C6B)                        | Hex(76004B)                                             | Hex(4D3B31)                                             | Hex(CCCCCC)                                             | Hex(4D4D4D)                                             |
|-------------|---------------------------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(762C00) |                                                         | Ratio: 2.56<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup>                      | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 6.14<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.17<br>Failed <sup>5</sup>                      |
| Hex(997C6B) | Ratio: 2.56<br>Failed <sup>5</sup>                      |                                    | Ratio: 2.91<br>Failed <sup>5</sup>                      | Ratio: 2.74<br>Failed <sup>5</sup>                      | Ratio: 2.40<br>Failed <sup>5</sup>                      | Ratio: 2.19<br>Failed <sup>5</sup>                      |
| Hex(76004B) | Ratio: 1.14<br>Failed <sup>5</sup>                      | Ratio: 2.91<br>Failed <sup>5</sup> |                                                         | Ratio: 1.06<br>Failed <sup>5</sup>                      | Ratio: 6.99<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.33<br>Failed <sup>5</sup>                      |
| Hex(4D3B31) | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 2.74<br>Failed <sup>5</sup> | Ratio: 1.06<br>Failed <sup>5</sup>                      |                                                         | Ratio: 6.59<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.25<br>Failed <sup>5</sup>                      |
| Hex(CCCCCC) | Ratio: 6.14<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.40<br>Failed <sup>5</sup> | Ratio: 6.99<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.59<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 5.26<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(4D4D4D) | Ratio: 1.17<br>Failed <sup>5</sup>                      | Ratio: 2.19<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup>                      | Ratio: 1.25<br>Failed <sup>5</sup>                      | Ratio: 5.26<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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