

# Converting Colors - WCAG Matrix

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

**Hex(977200) Hex(C4B689) Hex(970026) Hex(635B40) Hex(E3E3E3) Hex(636363)**

|             | Hex(977200)                         | Hex(C4B689)                         | Hex(970026)                                             | Hex(635B40)                                             | Hex(E3E3E3)                                             | Hex(636363)                                             |
|-------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(977200) |                                     | Ratio: 2.20<br>Failed <sup>5</sup>  | Ratio: 2.02<br>Failed <sup>5</sup>                      | Ratio: 1.52<br>Failed <sup>5</sup>                      | Ratio: 3.46<br>AA 18pt <sup>2</sup>                     | Ratio: 1.35<br>Failed <sup>5</sup>                      |
| Hex(C4B689) | Ratio: 2.20<br>Failed <sup>5</sup>  |                                     | Ratio: 4.44<br>AA 18pt <sup>2</sup>                     | Ratio: 3.35<br>AA 18pt <sup>2</sup>                     | Ratio: 1.57<br>Failed <sup>5</sup>                      | Ratio: 2.98<br>Failed <sup>5</sup>                      |
| Hex(970026) | Ratio: 2.02<br>Failed <sup>5</sup>  | Ratio: 4.44<br>AA 18pt <sup>2</sup> |                                                         | Ratio: 1.32<br>Failed <sup>5</sup>                      | Ratio: 6.98<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.49<br>Failed <sup>5</sup>                      |
| Hex(635B40) | Ratio: 1.52<br>Failed <sup>5</sup>  | Ratio: 3.35<br>AA 18pt <sup>2</sup> | Ratio: 1.32<br>Failed <sup>5</sup>                      |                                                         | Ratio: 5.28<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.13<br>Failed <sup>5</sup>                      |
| Hex(E3E3E3) | Ratio: 3.46<br>AA 18pt <sup>2</sup> | Ratio: 1.57<br>Failed <sup>5</sup>  | Ratio: 6.98<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.28<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 4.68<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(636363) | Ratio: 1.35<br>Failed <sup>5</sup>  | Ratio: 2.98<br>Failed <sup>5</sup>  | Ratio: 1.49<br>Failed <sup>5</sup>                      | Ratio: 1.13<br>Failed <sup>5</sup>                      | Ratio: 4.68<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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