

# Converting Colors - WCAG Matrix

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

Hex(487332) Hex(86967D) Hex(735C32) Hex(424D3D) Hex(CCCCCC) Hex(4D4D4D)

|             | Hex(487332)                         | Hex(86967D)                        | Hex(735C32)                         | Hex(424D3D)                                             | Hex(CCCCCC)                                             | Hex(4D4D4D)                                             |
|-------------|-------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(487332) |                                     | Ratio: 1.77<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup>  | Ratio: 1.60<br>Failed <sup>5</sup>                      | Ratio: 3.47<br>AA 18pt <sup>2</sup>                     | Ratio: 1.52<br>Failed <sup>5</sup>                      |
| Hex(86967D) | Ratio: 1.77<br>Failed <sup>5</sup>  |                                    | Ratio: 2.02<br>Failed <sup>5</sup>  | Ratio: 2.83<br>Failed <sup>5</sup>                      | Ratio: 1.96<br>Failed <sup>5</sup>                      | Ratio: 2.69<br>Failed <sup>5</sup>                      |
| Hex(735C32) | Ratio: 1.14<br>Failed <sup>5</sup>  | Ratio: 2.02<br>Failed <sup>5</sup> |                                     | Ratio: 1.40<br>Failed <sup>5</sup>                      | Ratio: 3.96<br>AA 18pt <sup>2</sup>                     | Ratio: 1.33<br>Failed <sup>5</sup>                      |
| Hex(424D3D) | Ratio: 1.60<br>Failed <sup>5</sup>  | Ratio: 2.83<br>Failed <sup>5</sup> | Ratio: 1.40<br>Failed <sup>5</sup>  |                                                         | Ratio: 5.54<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.05<br>Failed <sup>5</sup>                      |
| Hex(CCCCCC) | Ratio: 3.47<br>AA 18pt <sup>2</sup> | Ratio: 1.96<br>Failed <sup>5</sup> | Ratio: 3.96<br>AA 18pt <sup>2</sup> | Ratio: 5.54<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: 1.52<br>Failed <sup>5</sup>  | Ratio: 2.69<br>Failed <sup>5</sup> | Ratio: 1.33<br>Failed <sup>5</sup>  | Ratio: 1.05<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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