

# Converting Colors - WCAG Matrix

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

Hex(38848B) Hex(94B2B5) Hex(388B3F) Hex(485A5C) Hex(DBDBDB) Hex(5C5C5C)

|             | Hex(38848B)                         | Hex(94B2B5)                         | Hex(388B3F)                         | Hex(485A5C)                                             | Hex(DBDBDB)                                             | Hex(5C5C5C)                                             |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(38848B) |                                     | Ratio: 1.92<br>Failed <sup>5</sup>  | Ratio: 1.02<br>Failed <sup>5</sup>  | Ratio: 1.67<br>Failed <sup>5</sup>                      | Ratio: 3.13<br>AA 18pt <sup>2</sup>                     | Ratio: 1.54<br>Failed <sup>5</sup>                      |
| Hex(94B2B5) | Ratio: 1.92<br>Failed <sup>5</sup>  |                                     | Ratio: 1.88<br>Failed <sup>5</sup>  | Ratio: 3.21<br>AA 18pt <sup>2</sup>                     | Ratio: 1.63<br>Failed <sup>5</sup>                      | Ratio: 2.96<br>Failed <sup>5</sup>                      |
| Hex(388B3F) | Ratio: 1.02<br>Failed <sup>5</sup>  | Ratio: 1.88<br>Failed <sup>5</sup>  |                                     | Ratio: 1.71<br>Failed <sup>5</sup>                      | Ratio: 3.07<br>AA 18pt <sup>2</sup>                     | Ratio: 1.57<br>Failed <sup>5</sup>                      |
| Hex(485A5C) | Ratio: 1.67<br>Failed <sup>5</sup>  | Ratio: 3.21<br>AA 18pt <sup>2</sup> | Ratio: 1.71<br>Failed <sup>5</sup>  |                                                         | Ratio: 5.24<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.09<br>Failed <sup>5</sup>                      |
| Hex(DBDBDB) | Ratio: 3.13<br>AA 18pt <sup>2</sup> | Ratio: 1.63<br>Failed <sup>5</sup>  | Ratio: 3.07<br>AA 18pt <sup>2</sup> | Ratio: 5.24<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 4.83<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(5C5C5C) | Ratio: 1.54<br>Failed <sup>5</sup>  | Ratio: 2.96<br>Failed <sup>5</sup>  | Ratio: 1.57<br>Failed <sup>5</sup>  | Ratio: 1.09<br>Failed <sup>5</sup>                      | Ratio: 4.83<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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