

# Converting Colors - WCAG Matrix

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

**Hex(468573) Hex(95ADA7) Hex(588546) Hex(485753) Hex(D6D6D6) Hex(575757)**

|             | Hex(468573)                        | Hex(95ADA7)                         | Hex(588546)                        | Hex(485753)                                             | Hex(D6D6D6)                                             | Hex(575757)                                             |
|-------------|------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(468573) |                                    | Ratio: 1.81<br>Failed <sup>5</sup>  | Ratio: 1.00<br>Failed <sup>5</sup> | Ratio: 1.76<br>Failed <sup>5</sup>                      | Ratio: 2.97<br>Failed <sup>5</sup>                      | Ratio: 1.67<br>Failed <sup>5</sup>                      |
| Hex(95ADA7) | Ratio: 1.81<br>Failed <sup>5</sup> |                                     | Ratio: 1.81<br>Failed <sup>5</sup> | Ratio: 3.19<br>AA 18pt <sup>2</sup>                     | Ratio: 1.64<br>Failed <sup>5</sup>                      | Ratio: 3.03<br>AA 18pt <sup>2</sup>                     |
| Hex(588546) | Ratio: 1.00<br>Failed <sup>5</sup> | Ratio: 1.81<br>Failed <sup>5</sup>  |                                    | Ratio: 1.76<br>Failed <sup>5</sup>                      | Ratio: 2.97<br>Failed <sup>5</sup>                      | Ratio: 1.67<br>Failed <sup>5</sup>                      |
| Hex(485753) | Ratio: 1.76<br>Failed <sup>5</sup> | Ratio: 3.19<br>AA 18pt <sup>2</sup> | Ratio: 1.76<br>Failed <sup>5</sup> |                                                         | Ratio: 5.23<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.05<br>Failed <sup>5</sup>                      |
| Hex(D6D6D6) | Ratio: 2.97<br>Failed <sup>5</sup> | Ratio: 1.64<br>Failed <sup>5</sup>  | Ratio: 2.97<br>Failed <sup>5</sup> | Ratio: 5.23<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 4.97<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(575757) | Ratio: 1.67<br>Failed <sup>5</sup> | Ratio: 3.03<br>AA 18pt <sup>2</sup> | Ratio: 1.67<br>Failed <sup>5</sup> | Ratio: 1.05<br>Failed <sup>5</sup>                      | Ratio: 4.97<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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