

# Converting Colors - WCAG Matrix

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

**Hex(8089B8) Hex(DADEF0) Hex(80B8AF) Hex(6B6D78) Hex(F7F7F7) Hex(787878)**

|             | Hex(8089B8)                         | Hex(DADEF0)                         | Hex(80B8AF)                        | Hex(6B6D78)                                             | Hex(F7F7F7)                                             | Hex(787878)                         |
|-------------|-------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(8089B8) |                                     | Ratio: 2.54<br>Failed <sup>5</sup>  | Ratio: 1.52<br>Failed <sup>5</sup> | Ratio: 1.52<br>Failed <sup>5</sup>                      | Ratio: 3.17<br>AA 18pt <sup>2</sup>                     | Ratio: 1.30<br>Failed <sup>5</sup>  |
| Hex(DADEF0) | Ratio: 2.54<br>Failed <sup>5</sup>  |                                     | Ratio: 1.67<br>Failed <sup>5</sup> | Ratio: 3.84<br>AA 18pt <sup>2</sup>                     | Ratio: 1.25<br>Failed <sup>5</sup>                      | Ratio: 3.30<br>AA 18pt <sup>2</sup> |
| Hex(80B8AF) | Ratio: 1.52<br>Failed <sup>5</sup>  | Ratio: 1.67<br>Failed <sup>5</sup>  |                                    | Ratio: 2.30<br>Failed <sup>5</sup>                      | Ratio: 2.09<br>Failed <sup>5</sup>                      | Ratio: 1.97<br>Failed <sup>5</sup>  |
| Hex(6B6D78) | Ratio: 1.52<br>Failed <sup>5</sup>  | Ratio: 3.84<br>AA 18pt <sup>2</sup> | Ratio: 2.30<br>Failed <sup>5</sup> |                                                         | Ratio: 4.80<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.16<br>Failed <sup>5</sup>  |
| Hex(F7F7F7) | Ratio: 3.17<br>AA 18pt <sup>2</sup> | Ratio: 1.25<br>Failed <sup>5</sup>  | Ratio: 2.09<br>Failed <sup>5</sup> | Ratio: 4.80<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 4.12<br>AA 18pt <sup>2</sup> |
| Hex(787878) | Ratio: 1.30<br>Failed <sup>5</sup>  | Ratio: 3.30<br>AA 18pt <sup>2</sup> | Ratio: 1.97<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup>                      | Ratio: 4.12<br>AA 18pt <sup>2</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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