

# Converting Colors - WCAG Matrix

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

**Hex(8F8A91) Hex(BAB1BD) Hex(918A8F) Hex(464247) Hex(6A0087) Hex(060008)**

|             | Hex(8F8A91)                                             | Hex(BAB1BD)                                             | Hex(918A8F)                                             | Hex(464247)                                             | Hex(6A0087)                                             | Hex(060008)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(8F8A91) |                                                         | Ratio: 1.63<br>Failed <sup>5</sup>                      | Ratio: 1.00<br>Failed <sup>5</sup>                      | Ratio: 2.92<br>Failed <sup>5</sup>                      | Ratio: 3.17<br>AA 18pt <sup>2</sup>                     | Ratio: 6.14<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(BAB1BD) | Ratio: 1.63<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.62<br>Failed <sup>5</sup>                      | Ratio: 4.75<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.15<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 10.00<br>Passed <sup>6</sup>                     |
| Hex(918A8F) | Ratio: 1.00<br>Failed <sup>5</sup>                      | Ratio: 1.62<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.93<br>Failed <sup>5</sup>                      | Ratio: 3.18<br>AA 18pt <sup>2</sup>                     | Ratio: 6.17<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(464247) | Ratio: 2.92<br>Failed <sup>5</sup>                      | Ratio: 4.75<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.93<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.09<br>Failed <sup>5</sup>                      | Ratio: 2.11<br>Failed <sup>5</sup>                      |
| Hex(6A0087) | Ratio: 3.17<br>AA 18pt <sup>2</sup>                     | Ratio: 5.15<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.18<br>AA 18pt <sup>2</sup>                     | Ratio: 1.09<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.94<br>Failed <sup>5</sup>                      |
| Hex(060008) | Ratio: 6.14<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 10.00<br>Passed <sup>6</sup>                     | Ratio: 6.17<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.11<br>Failed <sup>5</sup>                      | Ratio: 1.94<br>Failed <sup>5</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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