

# Converting Colors - WCAG Matrix

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

Hex(BD4500) Hex(F5C6AB) Hex(BD007B) Hex(7A5E4E) Hex(FAFAFA) Hex(7A7A7A)

|             | Hex(BD4500)                                             | Hex(F5C6AB)                         | Hex(BD007B)                                             | Hex(7A5E4E)                                             | Hex(FAFAFA)                                             | Hex(7A7A7A)                         |
|-------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(BD4500) |                                                         | Ratio: 3.37<br>AA 18pt <sup>2</sup> | Ratio: 1.16<br>Failed <sup>5</sup>                      | Ratio: 1.13<br>Failed <sup>5</sup>                      | Ratio: 5.01<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.22<br>Failed <sup>5</sup>  |
| Hex(F5C6AB) | Ratio: 3.37<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 3.93<br>AA 18pt <sup>2</sup>                     | Ratio: 3.83<br>AA 18pt <sup>2</sup>                     | Ratio: 1.49<br>Failed <sup>5</sup>                      | Ratio: 2.77<br>Failed <sup>5</sup>  |
| Hex(BD007B) | Ratio: 1.16<br>Failed <sup>5</sup>                      | Ratio: 3.93<br>AA 18pt <sup>2</sup> |                                                         | Ratio: 1.03<br>Failed <sup>5</sup>                      | Ratio: 5.83<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.42<br>Failed <sup>5</sup>  |
| Hex(7A5E4E) | Ratio: 1.13<br>Failed <sup>5</sup>                      | Ratio: 3.83<br>AA 18pt <sup>2</sup> | Ratio: 1.03<br>Failed <sup>5</sup>                      |                                                         | Ratio: 5.69<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.38<br>Failed <sup>5</sup>  |
| Hex(FAFAFA) | Ratio: 5.01<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.49<br>Failed <sup>5</sup>  | Ratio: 5.83<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.69<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 4.11<br>AA 18pt <sup>2</sup> |
| Hex(7A7A7A) | Ratio: 1.22<br>Failed <sup>5</sup>                      | Ratio: 2.77<br>Failed <sup>5</sup>  | Ratio: 1.42<br>Failed <sup>5</sup>                      | Ratio: 1.38<br>Failed <sup>5</sup>                      | Ratio: 4.11<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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