

# Converting Colors - WCAG Matrix

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

Hex(CBBABA) Hex(FFE6E6) Hex(BAC3CB) Hex(665C5C) Hex(A60000) Hex(260000)

|             | Hex(CBBABA)                         | Hex(FFE6E6)                                             | Hex(BAC3CB)                         | Hex(665C5C)                                             | Hex(A60000)                                             | Hex(260000)                         |
|-------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(CBBABA) |                                     | Ratio: 1.57<br>Failed <sup>5</sup>                      | Ratio: 1.04<br>Failed <sup>5</sup>  | Ratio: 3.47<br>AA 18pt <sup>2</sup>                     | Ratio: 4.30<br>AA 18pt <sup>2</sup>                     | Ratio: 10.41<br>Passed <sup>6</sup> |
| Hex(FFE6E6) | Ratio: 1.57<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.51<br>Failed <sup>5</sup>  | Ratio: 5.45<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.76<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 16.36<br>Passed <sup>6</sup> |
| Hex(BAC3CB) | Ratio: 1.04<br>Failed <sup>5</sup>  | Ratio: 1.51<br>Failed <sup>5</sup>                      |                                     | Ratio: 3.62<br>AA 18pt <sup>2</sup>                     | Ratio: 4.48<br>AA 18pt <sup>2</sup>                     | Ratio: 10.86<br>Passed <sup>6</sup> |
| Hex(665C5C) | Ratio: 3.47<br>AA 18pt <sup>2</sup> | Ratio: 5.45<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.62<br>AA 18pt <sup>2</sup> |                                                         | Ratio: 1.24<br>Failed <sup>5</sup>                      | Ratio: 3.00<br>AA 18pt <sup>2</sup> |
| Hex(A60000) | Ratio: 4.30<br>AA 18pt <sup>2</sup> | Ratio: 6.76<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.48<br>AA 18pt <sup>2</sup> | Ratio: 1.24<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.42<br>Failed <sup>5</sup>  |
| Hex(260000) | Ratio: 10.41<br>Passed <sup>6</sup> | Ratio: 16.36<br>Passed <sup>6</sup>                     | Ratio: 10.86<br>Passed <sup>6</sup> | Ratio: 3.00<br>AA 18pt <sup>2</sup>                     | Ratio: 2.42<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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