

# Converting Colors - WCAG Matrix

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

Hex(CAB7C2) Hex(FFE3F3) Hex(CAC8B7) Hex(665C62) Hex(A60061) Hex(260016)

|             | Hex(CAB7C2)                         | Hex(FFE3F3)                                             | Hex(CAC8B7)                         | Hex(665C62)                                             | Hex(A60061)                                             | Hex(260016)                         |
|-------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(CAB7C2) |                                     | Ratio: 1.58<br>Failed <sup>5</sup>                      | Ratio: 1.13<br>Failed <sup>5</sup>  | Ratio: 3.38<br>AA 18pt <sup>2</sup>                     | Ratio: 3.96<br>AA 18pt <sup>2</sup>                     | Ratio: 10.11<br>Passed <sup>6</sup> |
| Hex(FFE3F3) | Ratio: 1.58<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.41<br>Failed <sup>5</sup>  | Ratio: 5.36<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.28<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 16.03<br>Passed <sup>6</sup> |
| Hex(CAC8B7) | Ratio: 1.13<br>Failed <sup>5</sup>  | Ratio: 1.41<br>Failed <sup>5</sup>                      |                                     | Ratio: 3.81<br>AA 18pt <sup>2</sup>                     | Ratio: 4.46<br>AA 18pt <sup>2</sup>                     | Ratio: 11.39<br>Passed <sup>6</sup> |
| Hex(665C62) | Ratio: 3.38<br>AA 18pt <sup>2</sup> | Ratio: 5.36<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.81<br>AA 18pt <sup>2</sup> |                                                         | Ratio: 1.17<br>Failed <sup>5</sup>                      | Ratio: 2.99<br>Failed <sup>5</sup>  |
| Hex(A60061) | Ratio: 3.96<br>AA 18pt <sup>2</sup> | Ratio: 6.28<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.46<br>AA 18pt <sup>2</sup> | Ratio: 1.17<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.55<br>Failed <sup>5</sup>  |
| Hex(260016) | Ratio: 10.11<br>Passed <sup>6</sup> | Ratio: 16.03<br>Passed <sup>6</sup>                     | Ratio: 11.39<br>Passed <sup>6</sup> | Ratio: 2.99<br>Failed <sup>5</sup>                      | Ratio: 2.55<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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