

# Converting Colors - WCAG Matrix

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

Hex(FFADBF) Hex(FF9EB3) Hex(ADE9FF) Hex(807376) Hex(BF002A) Hex(40000E)

|             | Hex(FFADBF)                         | Hex(FF9EB3)                         | Hex(ADE9FF)                                             | Hex(807376)                         | Hex(BF002A)                                             | Hex(40000E)                         |
|-------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(FFADBF) |                                     | Ratio: 1.11<br>Failed <sup>5</sup>  | Ratio: 1.33<br>Failed <sup>5</sup>                      | Ratio: 2.59<br>Failed <sup>5</sup>  | Ratio: 3.69<br>AA 18pt <sup>2</sup>                     | Ratio: 9.79<br>Passed <sup>6</sup>  |
| Hex(FF9EB3) | Ratio: 1.11<br>Failed <sup>5</sup>  |                                     | Ratio: 1.47<br>Failed <sup>5</sup>                      | Ratio: 2.33<br>Failed <sup>5</sup>  | Ratio: 3.32<br>AA 18pt <sup>2</sup>                     | Ratio: 8.82<br>Passed <sup>6</sup>  |
| Hex(ADE9FF) | Ratio: 1.33<br>Failed <sup>5</sup>  | Ratio: 1.47<br>Failed <sup>5</sup>  |                                                         | Ratio: 3.43<br>AA 18pt <sup>2</sup> | Ratio: 4.89<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 12.97<br>Passed <sup>6</sup> |
| Hex(807376) | Ratio: 2.59<br>Failed <sup>5</sup>  | Ratio: 2.33<br>Failed <sup>5</sup>  | Ratio: 3.43<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 1.43<br>Failed <sup>5</sup>                      | Ratio: 3.78<br>AA 18pt <sup>2</sup> |
| Hex(BF002A) | Ratio: 3.69<br>AA 18pt <sup>2</sup> | Ratio: 3.32<br>AA 18pt <sup>2</sup> | Ratio: 4.89<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.43<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.65<br>Failed <sup>5</sup>  |
| Hex(40000E) | Ratio: 9.79<br>Passed <sup>6</sup>  | Ratio: 8.82<br>Passed <sup>6</sup>  | Ratio: 12.97<br>Passed <sup>6</sup>                     | Ratio: 3.78<br>AA 18pt <sup>2</sup> | Ratio: 2.65<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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