

# Converting Colors - WCAG Matrix

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

Hex(FFB3BD) Hex(FFA3AF) Hex(FFCFB3) Hex(807374) Hex(BF001A) Hex(400009)

|             | Hex(FFB3BD)                         | Hex(FFA3AF)                         | Hex(FFCFB3)                                             | Hex(807374)                         | Hex(BF001A)                                             | Hex(400009)                         |
|-------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(FFB3BD) |                                     | Ratio: 1.12<br>Failed <sup>5</sup>  | Ratio: 1.19<br>Failed <sup>5</sup>                      | Ratio: 2.69<br>Failed <sup>5</sup>  | Ratio: 3.85<br>AA 18pt <sup>2</sup>                     | Ratio: 10.18<br>Passed <sup>6</sup> |
| Hex(FFA3AF) | Ratio: 1.12<br>Failed <sup>5</sup>  |                                     | Ratio: 1.33<br>Failed <sup>5</sup>                      | Ratio: 2.40<br>Failed <sup>5</sup>  | Ratio: 3.44<br>AA 18pt <sup>2</sup>                     | Ratio: 9.09<br>Passed <sup>6</sup>  |
| Hex(FFCFB3) | Ratio: 1.19<br>Failed <sup>5</sup>  | Ratio: 1.33<br>Failed <sup>5</sup>  |                                                         | Ratio: 3.21<br>AA 18pt <sup>2</sup> | Ratio: 4.59<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 12.13<br>Passed <sup>6</sup> |
| Hex(807374) | Ratio: 2.69<br>Failed <sup>5</sup>  | Ratio: 2.40<br>Failed <sup>5</sup>  | Ratio: 3.21<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 1.43<br>Failed <sup>5</sup>                      | Ratio: 3.78<br>AA 18pt <sup>2</sup> |
| Hex(BF001A) | Ratio: 3.85<br>AA 18pt <sup>2</sup> | Ratio: 3.44<br>AA 18pt <sup>2</sup> | Ratio: 4.59<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.43<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.64<br>Failed <sup>5</sup>  |
| Hex(400009) | Ratio: 10.18<br>Passed <sup>6</sup> | Ratio: 9.09<br>Passed <sup>6</sup>  | Ratio: 12.13<br>Passed <sup>6</sup>                     | Ratio: 3.78<br>AA 18pt <sup>2</sup> | Ratio: 2.64<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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