

# Converting Colors - WCAG Matrix

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

**Hex(F9B4E8) Hex(FFABEA) Hex(F9E6B4) Hex(7D707A) Hex(BD008E) Hex(3D002E)**

|             | Hex(F9B4E8)                         | Hex(FFABEA)                         | Hex(F9E6B4)                                             | Hex(7D707A)                         | Hex(BD008E)                                             | Hex(3D002E)                         |
|-------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(F9B4E8) |                                     | Ratio: 1.04<br>Failed <sup>5</sup>  | Ratio: 1.34<br>Failed <sup>5</sup>                      | Ratio: 2.85<br>Failed <sup>5</sup>  | Ratio: 3.58<br>AA 18pt <sup>2</sup>                     | Ratio: 10.28<br>Passed <sup>6</sup> |
| Hex(FFABEA) | Ratio: 1.04<br>Failed <sup>5</sup>  |                                     | Ratio: 1.39<br>Failed <sup>5</sup>                      | Ratio: 2.74<br>Failed <sup>5</sup>  | Ratio: 3.45<br>AA 18pt <sup>2</sup>                     | Ratio: 9.91<br>Passed <sup>6</sup>  |
| Hex(F9E6B4) | Ratio: 1.34<br>Failed <sup>5</sup>  | Ratio: 1.39<br>Failed <sup>5</sup>  |                                                         | Ratio: 3.80<br>AA 18pt <sup>2</sup> | Ratio: 4.78<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 13.74<br>Passed <sup>6</sup> |
| Hex(7D707A) | Ratio: 2.85<br>Failed <sup>5</sup>  | Ratio: 2.74<br>Failed <sup>5</sup>  | Ratio: 3.80<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 1.26<br>Failed <sup>5</sup>                      | Ratio: 3.61<br>AA 18pt <sup>2</sup> |
| Hex(BD008E) | Ratio: 3.58<br>AA 18pt <sup>2</sup> | Ratio: 3.45<br>AA 18pt <sup>2</sup> | Ratio: 4.78<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.26<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.87<br>Failed <sup>5</sup>  |
| Hex(3D002E) | Ratio: 10.28<br>Passed <sup>6</sup> | Ratio: 9.91<br>Passed <sup>6</sup>  | Ratio: 13.74<br>Passed <sup>6</sup>                     | Ratio: 3.61<br>AA 18pt <sup>2</sup> | Ratio: 2.87<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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