

# Converting Colors - WCAG Matrix

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

Hex(F0A8B5) Hex(FFA3B4) Hex(A8D9F0) Hex(786C6E) Hex(B80021) Hex(38000A)

|             | Hex(F0A8B5)                         | Hex(FFA3B4)                         | Hex(A8D9F0)                                             | Hex(786C6E)                         | Hex(B80021)                                             | Hex(38000A)                         |
|-------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(F0A8B5) |                                     | Ratio: 1.02<br>Failed <sup>5</sup>  | Ratio: 1.26<br>Failed <sup>5</sup>                      | Ratio: 2.63<br>Failed <sup>5</sup>  | Ratio: 3.59<br>AA 18pt <sup>2</sup>                     | Ratio: 9.36<br>Passed <sup>6</sup>  |
| Hex(FFA3B4) | Ratio: 1.02<br>Failed <sup>5</sup>  |                                     | Ratio: 1.24<br>Failed <sup>5</sup>                      | Ratio: 2.67<br>Failed <sup>5</sup>  | Ratio: 3.64<br>AA 18pt <sup>2</sup>                     | Ratio: 9.51<br>Passed <sup>6</sup>  |
| Hex(A8D9F0) | Ratio: 1.26<br>Failed <sup>5</sup>  | Ratio: 1.24<br>Failed <sup>5</sup>  |                                                         | Ratio: 3.32<br>AA 18pt <sup>2</sup> | Ratio: 4.53<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 11.81<br>Passed <sup>6</sup> |
| Hex(786C6E) | Ratio: 2.63<br>Failed <sup>5</sup>  | Ratio: 2.67<br>Failed <sup>5</sup>  | Ratio: 3.32<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 1.36<br>Failed <sup>5</sup>                      | Ratio: 3.56<br>AA 18pt <sup>2</sup> |
| Hex(B80021) | Ratio: 3.59<br>AA 18pt <sup>2</sup> | Ratio: 3.64<br>AA 18pt <sup>2</sup> | Ratio: 4.53<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.36<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.61<br>Failed <sup>5</sup>  |
| Hex(38000A) | Ratio: 9.36<br>Passed <sup>6</sup>  | Ratio: 9.51<br>Passed <sup>6</sup>  | Ratio: 11.81<br>Passed <sup>6</sup>                     | Ratio: 3.56<br>AA 18pt <sup>2</sup> | Ratio: 2.61<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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