

# Converting Colors - WCAG Matrix

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

**Hex(F287ED) Hex(FF78F8) Hex(F287B7) Hex(7A6E7A) Hex(BA00B1) Hex(3B0038)**

|             | Hex(F287ED)                        | Hex(FF78F8)                        | Hex(F287B7)                        | Hex(7A6E7A)                         | Hex(BA00B1)                        | Hex(3B0038)                         |
|-------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(F287ED) |                                    | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 1.06<br>Failed <sup>5</sup> | Ratio: 2.18<br>Failed <sup>5</sup>  | Ratio: 2.54<br>Failed <sup>5</sup> | Ratio: 7.61<br>Passed <sup>6</sup>  |
| Hex(FF78F8) | Ratio: 1.02<br>Failed <sup>5</sup> |                                    | Ratio: 1.04<br>Failed <sup>5</sup> | Ratio: 2.14<br>Failed <sup>5</sup>  | Ratio: 2.50<br>Failed <sup>5</sup> | Ratio: 7.48<br>Passed <sup>6</sup>  |
| Hex(F287B7) | Ratio: 1.06<br>Failed <sup>5</sup> | Ratio: 1.04<br>Failed <sup>5</sup> |                                    | Ratio: 2.06<br>Failed <sup>5</sup>  | Ratio: 2.40<br>Failed <sup>5</sup> | Ratio: 7.18<br>Passed <sup>6</sup>  |
| Hex(7A6E7A) | Ratio: 2.18<br>Failed <sup>5</sup> | Ratio: 2.14<br>Failed <sup>5</sup> | Ratio: 2.06<br>Failed <sup>5</sup> |                                     | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 3.49<br>AA 18pt <sup>2</sup> |
| Hex(BA00B1) | Ratio: 2.54<br>Failed <sup>5</sup> | Ratio: 2.50<br>Failed <sup>5</sup> | Ratio: 2.40<br>Failed <sup>5</sup> | Ratio: 1.17<br>Failed <sup>5</sup>  |                                    | Ratio: 2.99<br>Failed <sup>5</sup>  |
| Hex(3B0038) | Ratio: 7.61<br>Passed <sup>6</sup> | Ratio: 7.48<br>Passed <sup>6</sup> | Ratio: 7.18<br>Passed <sup>6</sup> | Ratio: 3.49<br>AA 18pt <sup>2</sup> | Ratio: 2.99<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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