

# Converting Colors - WCAG Matrix

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

Hex(F8A8FF) Hex(F696FF) Hex(FFA8DC) Hex(7E737F) Hex(AF00BF) Hex(3A0040)

|             | Hex(F8A8FF)                         | Hex(F696FF)                         | Hex(FFA8DC)                         | Hex(7E737F)                         | Hex(AF00BF)                         | Hex(3A0040)                         |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(F8A8FF) |                                     | Ratio: 1.12<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 2.59<br>Failed <sup>5</sup>  | Ratio: 3.37<br>AA 18pt <sup>2</sup> | Ratio: 9.60<br>Passed <sup>6</sup>  |
| Hex(F696FF) | Ratio: 1.12<br>Failed <sup>5</sup>  |                                     | Ratio: 1.11<br>Failed <sup>5</sup>  | Ratio: 2.31<br>Failed <sup>5</sup>  | Ratio: 3.00<br>AA 18pt <sup>2</sup> | Ratio: 8.55<br>Passed <sup>6</sup>  |
| Hex(FFA8DC) | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.11<br>Failed <sup>5</sup>  |                                     | Ratio: 2.56<br>Failed <sup>5</sup>  | Ratio: 3.32<br>AA 18pt <sup>2</sup> | Ratio: 9.48<br>Passed <sup>6</sup>  |
| Hex(7E737F) | Ratio: 2.59<br>Failed <sup>5</sup>  | Ratio: 2.31<br>Failed <sup>5</sup>  | Ratio: 2.56<br>Failed <sup>5</sup>  |                                     | Ratio: 1.30<br>Failed <sup>5</sup>  | Ratio: 3.70<br>AA 18pt <sup>2</sup> |
| Hex(AF00BF) | Ratio: 3.37<br>AA 18pt <sup>2</sup> | Ratio: 3.00<br>AA 18pt <sup>2</sup> | Ratio: 3.32<br>AA 18pt <sup>2</sup> | Ratio: 1.30<br>Failed <sup>5</sup>  |                                     | Ratio: 2.85<br>Failed <sup>5</sup>  |
| Hex(3A0040) | Ratio: 9.60<br>Passed <sup>6</sup>  | Ratio: 8.55<br>Passed <sup>6</sup>  | Ratio: 9.48<br>Passed <sup>6</sup>  | Ratio: 3.70<br>AA 18pt <sup>2</sup> | Ratio: 2.85<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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