

# Converting Colors - WCAG Matrix

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

Hex(F301C0) Hex(FF00C9) Hex(01F3AB) Hex(7A6E78) Hex(BA0093) Hex(3B002E)

|             | Hex(F301C0)                                             | Hex(FF00C9)                                             | Hex(01F3AB)                         | Hex(7A6E78)                         | Hex(BA0093)                         | Hex(3B002E)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(F301C0) |                                                         | Ratio: 1.09<br>Failed <sup>5</sup>                      | Ratio: 2.58<br>Failed <sup>5</sup>  | Ratio: 1.29<br>Failed <sup>5</sup>  | Ratio: 1.59<br>Failed <sup>5</sup>  | Ratio: 4.55<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FF00C9) | Ratio: 1.09<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.36<br>Failed <sup>5</sup>  | Ratio: 1.41<br>Failed <sup>5</sup>  | Ratio: 1.74<br>Failed <sup>5</sup>  | Ratio: 4.97<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(01F3AB) | Ratio: 2.58<br>Failed <sup>5</sup>                      | Ratio: 2.36<br>Failed <sup>5</sup>                      |                                     | Ratio: 3.33<br>AA 18pt <sup>2</sup> | Ratio: 4.11<br>AA 18pt <sup>2</sup> | Ratio: 11.76<br>Passed <sup>6</sup>                     |
| Hex(7A6E78) | Ratio: 1.29<br>Failed <sup>5</sup>                      | Ratio: 1.41<br>Failed <sup>5</sup>                      | Ratio: 3.33<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.23<br>Failed <sup>5</sup>  | Ratio: 3.53<br>AA 18pt <sup>2</sup>                     |
| Hex(BA0093) | Ratio: 1.59<br>Failed <sup>5</sup>                      | Ratio: 1.74<br>Failed <sup>5</sup>                      | Ratio: 4.11<br>AA 18pt <sup>2</sup> | Ratio: 1.23<br>Failed <sup>5</sup>  |                                     | Ratio: 2.86<br>Failed <sup>5</sup>                      |
| Hex(3B002E) | Ratio: 4.55<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.97<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 11.76<br>Passed <sup>6</sup> | Ratio: 3.53<br>AA 18pt <sup>2</sup> | Ratio: 2.86<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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