

# Converting Colors - WCAG Matrix

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

Hex(FB2BFF) Hex(FA00FF) Hex(FF2B9C) Hex(7F7380) Hex(BC00BF) Hex(3F0040)

|             | Hex(FB2BFF)                                             | Hex(FA00FF)                                             | Hex(FF2B9C)                                             | Hex(7F7380)                         | Hex(BC00BF)                         | Hex(3F0040)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(FB2BFF) |                                                         | Ratio: 1.06<br>Failed <sup>5</sup>                      | Ratio: 1.13<br>Failed <sup>5</sup>                      | Ratio: 1.48<br>Failed <sup>5</sup>  | Ratio: 1.77<br>Failed <sup>5</sup>  | Ratio: 5.36<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FA00FF) | Ratio: 1.06<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 1.39<br>Failed <sup>5</sup>  | Ratio: 1.67<br>Failed <sup>5</sup>  | Ratio: 5.06<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FF2B9C) | Ratio: 1.13<br>Failed <sup>5</sup>                      | Ratio: 1.07<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.30<br>Failed <sup>5</sup>  | Ratio: 1.56<br>Failed <sup>5</sup>  | Ratio: 4.73<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(7F7380) | Ratio: 1.48<br>Failed <sup>5</sup>                      | Ratio: 1.39<br>Failed <sup>5</sup>                      | Ratio: 1.30<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.20<br>Failed <sup>5</sup>  | Ratio: 3.63<br>AA 18pt <sup>2</sup>                     |
| Hex(BC00BF) | Ratio: 1.77<br>Failed <sup>5</sup>                      | Ratio: 1.67<br>Failed <sup>5</sup>                      | Ratio: 1.56<br>Failed <sup>5</sup>                      | Ratio: 1.20<br>Failed <sup>5</sup>  |                                     | Ratio: 3.03<br>AA 18pt <sup>2</sup>                     |
| Hex(3F0040) | Ratio: 5.36<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.06<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.73<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.63<br>AA 18pt <sup>2</sup> | Ratio: 3.03<br>AA 18pt <sup>2</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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