

# Converting Colors - WCAG Matrix

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

Hex(F24F8F) Hex(FF3082) Hex(4FF25E) Hex(7A6E73) Hex(BA004A) Hex(3B0017)

|             | Hex(F24F8F)                                             | Hex(FF3082)                                             | Hex(4FF25E)                         | Hex(7A6E73)                         | Hex(BA004A)                         | Hex(3B0017)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(F24F8F) |                                                         | Ratio: 1.05<br>Failed <sup>5</sup>                      | Ratio: 2.26<br>Failed <sup>5</sup>  | Ratio: 1.46<br>Failed <sup>5</sup>  | Ratio: 1.97<br>Failed <sup>5</sup>  | Ratio: 5.25<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FF3082) | Ratio: 1.05<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.37<br>Failed <sup>5</sup>  | Ratio: 1.39<br>Failed <sup>5</sup>  | Ratio: 1.88<br>Failed <sup>5</sup>  | Ratio: 5.00<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(4FF25E) | Ratio: 2.26<br>Failed <sup>5</sup>                      | Ratio: 2.37<br>Failed <sup>5</sup>                      |                                     | Ratio: 3.30<br>AA 18pt <sup>2</sup> | Ratio: 4.45<br>AA 18pt <sup>2</sup> | Ratio: 11.84<br>Passed <sup>6</sup>                     |
| Hex(7A6E73) | Ratio: 1.46<br>Failed <sup>5</sup>                      | Ratio: 1.39<br>Failed <sup>5</sup>                      | Ratio: 3.30<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.35<br>Failed <sup>5</sup>  | Ratio: 3.59<br>AA 18pt <sup>2</sup>                     |
| Hex(BA004A) | Ratio: 1.97<br>Failed <sup>5</sup>                      | Ratio: 1.88<br>Failed <sup>5</sup>                      | Ratio: 4.45<br>AA 18pt <sup>2</sup> | Ratio: 1.35<br>Failed <sup>5</sup>  |                                     | Ratio: 2.66<br>Failed <sup>5</sup>                      |
| Hex(3B0017) | Ratio: 5.25<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.00<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 11.84<br>Passed <sup>6</sup> | Ratio: 3.59<br>AA 18pt <sup>2</sup> | Ratio: 2.66<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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