

# Converting Colors - WCAG Matrix

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

Hex(EF71A8) Hex(FF5EA5) Hex(71EF77) Hex(786C71) Hex(B80051) Hex(380019)

|             | Hex(EF71A8)                                             | Hex(FF5EA5)                                             | Hex(71EF77)                                             | Hex(786C71)                         | Hex(B80051)                                             | Hex(380019)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(EF71A8) |                                                         | Ratio: 1.03<br>Failed <sup>5</sup>                      | Ratio: 1.88<br>Failed <sup>5</sup>                      | Ratio: 1.82<br>Failed <sup>5</sup>  | Ratio: 2.41<br>Failed <sup>5</sup>                      | Ratio: 6.43<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FF5EA5) | Ratio: 1.03<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.94<br>Failed <sup>5</sup>                      | Ratio: 1.77<br>Failed <sup>5</sup>  | Ratio: 2.34<br>Failed <sup>5</sup>                      | Ratio: 6.26<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(71EF77) | Ratio: 1.88<br>Failed <sup>5</sup>                      | Ratio: 1.94<br>Failed <sup>5</sup>                      |                                                         | Ratio: 3.42<br>AA 18pt <sup>2</sup> | Ratio: 4.53<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 12.11<br>Passed <sup>6</sup>                     |
| Hex(786C71) | Ratio: 1.82<br>Failed <sup>5</sup>                      | Ratio: 1.77<br>Failed <sup>5</sup>                      | Ratio: 3.42<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 1.32<br>Failed <sup>5</sup>                      | Ratio: 3.54<br>AA 18pt <sup>2</sup>                     |
| Hex(B80051) | Ratio: 2.41<br>Failed <sup>5</sup>                      | Ratio: 2.34<br>Failed <sup>5</sup>                      | Ratio: 4.53<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.32<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.67<br>Failed <sup>5</sup>                      |
| Hex(380019) | Ratio: 6.43<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.26<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 12.11<br>Passed <sup>6</sup>                     | Ratio: 3.54<br>AA 18pt <sup>2</sup> | Ratio: 2.67<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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