

# Converting Colors - WCAG Matrix

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

Hex(FF4DB2) Hex(FF29A2) Hex(FF4D58) Hex(80737A) Hex(BF006C) Hex(400024)

|             | Hex(FF4DB2)                                             | Hex(FF29A2)                                             | Hex(FF4D58)                                             | Hex(80737A)                         | Hex(BF006C)                        | Hex(400024)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|
| Hex(FF4DB2) |                                                         | Ratio: 1.14<br>Failed <sup>5</sup>                      | Ratio: 1.08<br>Failed <sup>5</sup>                      | Ratio: 1.50<br>Failed <sup>5</sup>  | Ratio: 2.03<br>Failed <sup>5</sup> | Ratio: 5.59<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FF29A2) | Ratio: 1.14<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.06<br>Failed <sup>5</sup>                      | Ratio: 1.31<br>Failed <sup>5</sup>  | Ratio: 1.77<br>Failed <sup>5</sup> | Ratio: 4.90<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FF4D58) | Ratio: 1.08<br>Failed <sup>5</sup>                      | Ratio: 1.06<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.39<br>Failed <sup>5</sup>  | Ratio: 1.88<br>Failed <sup>5</sup> | Ratio: 5.19<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(80737A) | Ratio: 1.50<br>Failed <sup>5</sup>                      | Ratio: 1.31<br>Failed <sup>5</sup>                      | Ratio: 1.39<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.36<br>Failed <sup>5</sup> | Ratio: 3.74<br>AA 18pt <sup>2</sup>                     |
| Hex(BF006C) | Ratio: 2.03<br>Failed <sup>5</sup>                      | Ratio: 1.77<br>Failed <sup>5</sup>                      | Ratio: 1.88<br>Failed <sup>5</sup>                      | Ratio: 1.36<br>Failed <sup>5</sup>  |                                    | Ratio: 2.76<br>Failed <sup>5</sup>                      |
| Hex(400024) | Ratio: 5.59<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.90<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.19<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.74<br>AA 18pt <sup>2</sup> | Ratio: 2.76<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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