

# Converting Colors - WCAG Matrix

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

Hex(CC01BC) Hex(FF00EB) Hex(CC7401) Hex(665C65) Hex(A60099) Hex(260023)

|             | Hex(CC01BC)                         | Hex(FF00EB)                                             | Hex(CC7401)                                             | Hex(665C65)                        | Hex(A60099)                        | Hex(260023)                                             |
|-------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|------------------------------------|------------------------------------|---------------------------------------------------------|
| Hex(CC01BC) |                                     | Ratio: 1.50<br>Failed <sup>5</sup>                      | Ratio: 1.41<br>Failed <sup>5</sup>                      | Ratio: 1.31<br>Failed <sup>5</sup> | Ratio: 1.39<br>Failed <sup>5</sup> | Ratio: 3.88<br>AA 18pt <sup>2</sup>                     |
| Hex(FF00EB) | Ratio: 1.50<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.06<br>Failed <sup>5</sup>                      | Ratio: 1.96<br>Failed <sup>5</sup> | Ratio: 2.09<br>Failed <sup>5</sup> | Ratio: 5.83<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(CC7401) | Ratio: 1.41<br>Failed <sup>5</sup>  | Ratio: 1.06<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.85<br>Failed <sup>5</sup> | Ratio: 1.97<br>Failed <sup>5</sup> | Ratio: 5.48<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(665C65) | Ratio: 1.31<br>Failed <sup>5</sup>  | Ratio: 1.96<br>Failed <sup>5</sup>                      | Ratio: 1.85<br>Failed <sup>5</sup>                      |                                    | Ratio: 1.07<br>Failed <sup>5</sup> | Ratio: 2.97<br>Failed <sup>5</sup>                      |
| Hex(A60099) | Ratio: 1.39<br>Failed <sup>5</sup>  | Ratio: 2.09<br>Failed <sup>5</sup>                      | Ratio: 1.97<br>Failed <sup>5</sup>                      | Ratio: 1.07<br>Failed <sup>5</sup> |                                    | Ratio: 2.78<br>Failed <sup>5</sup>                      |
| Hex(260023) | Ratio: 3.88<br>AA 18pt <sup>2</sup> | Ratio: 5.83<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.48<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.97<br>Failed <sup>5</sup> | Ratio: 2.78<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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