

# Converting Colors - WCAG Matrix

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

Hex(CD74C9) Hex(FF7AF9) Hex(9ECD74) Hex(665C66) Hex(A6009E) Hex(260025)

|             | Hex(CD74C9)                                             | Hex(FF7AF9)                         | Hex(9ECD74)                         | Hex(665C66)                         | Hex(A6009E)                         | Hex(260025)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(CD74C9) |                                                         | Ratio: 1.36<br>Failed <sup>5</sup>  | Ratio: 1.65<br>Failed <sup>5</sup>  | Ratio: 2.11<br>Failed <sup>5</sup>  | Ratio: 2.23<br>Failed <sup>5</sup>  | Ratio: 6.25<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FF7AF9) | Ratio: 1.36<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.22<br>Failed <sup>5</sup>  | Ratio: 2.86<br>Failed <sup>5</sup>  | Ratio: 3.02<br>AA 18pt <sup>2</sup> | Ratio: 8.48<br>Passed <sup>6</sup>                      |
| Hex(9ECD74) | Ratio: 1.65<br>Failed <sup>5</sup>                      | Ratio: 1.22<br>Failed <sup>5</sup>  |                                     | Ratio: 3.48<br>AA 18pt <sup>2</sup> | Ratio: 3.67<br>AA 18pt <sup>2</sup> | Ratio: 10.31<br>Passed <sup>6</sup>                     |
| Hex(665C66) | Ratio: 2.11<br>Failed <sup>5</sup>                      | Ratio: 2.86<br>Failed <sup>5</sup>  | Ratio: 3.48<br>AA 18pt <sup>2</sup> |                                     | Ratio: 1.06<br>Failed <sup>5</sup>  | Ratio: 2.96<br>Failed <sup>5</sup>                      |
| Hex(A6009E) | Ratio: 2.23<br>Failed <sup>5</sup>                      | Ratio: 3.02<br>AA 18pt <sup>2</sup> | Ratio: 3.67<br>AA 18pt <sup>2</sup> | Ratio: 1.06<br>Failed <sup>5</sup>  |                                     | Ratio: 2.81<br>Failed <sup>5</sup>                      |
| Hex(260025) | Ratio: 6.25<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.48<br>Passed <sup>6</sup>  | Ratio: 10.31<br>Passed <sup>6</sup> | Ratio: 2.96<br>Failed <sup>5</sup>  | Ratio: 2.81<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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