

# Converting Colors - WCAG Matrix

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

Hex(191319) Hex(211821) Hex(191613) Hex(0D0B0D) Hex(4D004D) Hex(CC00CC)

|             | Hex(191319)                         | Hex(211821)                         | Hex(191613)                         | Hex(0D0B0D)                         | Hex(4D004D)                         | Hex(CC00CC)                         |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(191319) |                                     | Ratio: 1.06<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.07<br>Failed <sup>5</sup>  | Ratio: 1.24<br>Failed <sup>5</sup>  | Ratio: 3.87<br>AA 18pt <sup>2</sup> |
| Hex(211821) | Ratio: 1.06<br>Failed <sup>5</sup>  |                                     | Ratio: 1.04<br>Failed <sup>5</sup>  | Ratio: 1.14<br>Failed <sup>5</sup>  | Ratio: 1.17<br>Failed <sup>5</sup>  | Ratio: 3.65<br>AA 18pt <sup>2</sup> |
| Hex(191613) | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.04<br>Failed <sup>5</sup>  |                                     | Ratio: 1.09<br>Failed <sup>5</sup>  | Ratio: 1.22<br>Failed <sup>5</sup>  | Ratio: 3.81<br>AA 18pt <sup>2</sup> |
| Hex(0D0B0D) | Ratio: 1.07<br>Failed <sup>5</sup>  | Ratio: 1.14<br>Failed <sup>5</sup>  | Ratio: 1.09<br>Failed <sup>5</sup>  |                                     | Ratio: 1.33<br>Failed <sup>5</sup>  | Ratio: 4.15<br>AA 18pt <sup>2</sup> |
| Hex(4D004D) | Ratio: 1.24<br>Failed <sup>5</sup>  | Ratio: 1.17<br>Failed <sup>5</sup>  | Ratio: 1.22<br>Failed <sup>5</sup>  | Ratio: 1.33<br>Failed <sup>5</sup>  |                                     | Ratio: 3.12<br>AA 18pt <sup>2</sup> |
| Hex(CC00CC) | Ratio: 3.87<br>AA 18pt <sup>2</sup> | Ratio: 3.65<br>AA 18pt <sup>2</sup> | Ratio: 3.81<br>AA 18pt <sup>2</sup> | Ratio: 4.15<br>AA 18pt <sup>2</sup> | Ratio: 3.12<br>AA 18pt <sup>2</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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