# Converting Colors - WCAG Matrix

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

| | Hex(4D00FF) | Hex(CAB3FF) | Hex(00B2FF) | Hex(5F5280) | Hex(000000) | Hex(808080) |
|---|---|---|---|---|---|---|
| **Hex(4D00FF)** | | Ratio: 4.13<br>AA 18pt [2] | Ratio: 3.19<br>AA 18pt [2] | Ratio: 1.09<br>Failed [5] | Ratio: 2.76<br>Failed [5] | Ratio: 1.93<br>Failed [5] |
| **Hex(CAB3FF)** | Ratio: 4.13<br>AA 18pt [2] | | Ratio: 1.29<br>Failed [5] | Ratio: 3.79<br>AA 18pt [2] | Ratio: 11.40<br>Passed [6] | Ratio: 2.14<br>Failed [5] |
| **Hex(00B2FF)** | Ratio: 3.19<br>AA 18pt [2] | Ratio: 1.29<br>Failed [5] | | Ratio: 2.93<br>Failed [5] | Ratio: 8.81<br>Passed [6] | Ratio: 1.66<br>Failed [5] |
| **Hex(5F5280)** | Ratio: 1.09<br>Failed [5] | Ratio: 3.79<br>AA 18pt [2] | Ratio: 2.93<br>Failed [5] | | Ratio: 3.01<br>AA 18pt [2] | Ratio: 1.77<br>Failed [5] |
| **Hex(000000)** | Ratio: 2.76<br>Failed [5] | Ratio: 11.40<br>Passed [6] | Ratio: 8.81<br>Passed [6] | Ratio: 3.01<br>AA 18pt [2] | | Ratio: 5.32<br>AA [1]<br>AAA 18pt [4] |
| **Hex(808080)** | Ratio: 1.93<br>Failed [5] | Ratio: 2.14<br>Failed [5] | Ratio: 1.66<br>Failed [5] | Ratio: 1.77<br>Failed [5] | Ratio: 5.32<br>AA [1]<br>AAA 18pt [4] | |

Details can be found at https://www.w3.org/TR/WCAG20/.

[1] AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

[2] AA 18pt

AA level for large text above 18pt.

[3] AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

[4] AAA 18pt

AAA level for large text above 18pt.

[5] Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

[6] Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

This PDF was generated on convertingcolors.com.