

# Converting Colors - WCAG Matrix

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

**Hex(65A005) Hex(82D100) Hex(1AA005) Hex(4C4F47) Hex(588F00) Hex(090F00)**

|             | Hex(65A005)                                             | Hex(82D100)                         | Hex(1AA005)                                             | Hex(4C4F47)                         | Hex(588F00)                                             | Hex(090F00)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(65A005) |                                                         | Ratio: 1.68<br>Failed <sup>5</sup>  | Ratio: 1.08<br>Failed <sup>5</sup>                      | Ratio: 2.62<br>Failed <sup>5</sup>  | Ratio: 1.23<br>Failed <sup>5</sup>                      | Ratio: 6.10<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(82D100) | Ratio: 1.68<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.82<br>Failed <sup>5</sup>                      | Ratio: 4.40<br>AA 18pt <sup>2</sup> | Ratio: 2.07<br>Failed <sup>5</sup>                      | Ratio: 10.25<br>Passed <sup>6</sup>                     |
| Hex(1AA005) | Ratio: 1.08<br>Failed <sup>5</sup>                      | Ratio: 1.82<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.41<br>Failed <sup>5</sup>  | Ratio: 1.14<br>Failed <sup>5</sup>                      | Ratio: 5.62<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(4C4F47) | Ratio: 2.62<br>Failed <sup>5</sup>                      | Ratio: 4.40<br>AA 18pt <sup>2</sup> | Ratio: 2.41<br>Failed <sup>5</sup>                      |                                     | Ratio: 2.12<br>Failed <sup>5</sup>                      | Ratio: 2.33<br>Failed <sup>5</sup>                      |
| Hex(588F00) | Ratio: 1.23<br>Failed <sup>5</sup>                      | Ratio: 2.07<br>Failed <sup>5</sup>  | Ratio: 1.14<br>Failed <sup>5</sup>                      | Ratio: 2.12<br>Failed <sup>5</sup>  |                                                         | Ratio: 4.95<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(090F00) | Ratio: 6.10<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 10.25<br>Passed <sup>6</sup> | Ratio: 5.62<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.33<br>Failed <sup>5</sup>  | Ratio: 4.95<br>AA <sup>1</sup><br>AAA 18pt <sup>4</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.

This PDF was generated on [convertingcolors.com](https://convertingcolors.com).