

# Converting Colors - WCAG Matrix

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

**Hex(1B1B1C) Hex(232324) Hex(1B1C1C) Hex(121212) Hex(919191)**

|             | Hex(1B1B1C)                                             | Hex(232324)                                             | Hex(1B1C1C)                                             | Hex(121212)                                             | Hex(919191)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(1B1B1C) |                                                         | Ratio: 1.10<br>Failed <sup>5</sup>                      | Ratio: 1.01<br>Failed <sup>5</sup>                      | Ratio: 1.09<br>Failed <sup>5</sup>                      | Ratio: 5.46<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(232324) | Ratio: 1.10<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.09<br>Failed <sup>5</sup>                      | Ratio: 1.19<br>Failed <sup>5</sup>                      | Ratio: 4.98<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(1B1C1C) | Ratio: 1.01<br>Failed <sup>5</sup>                      | Ratio: 1.09<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.10<br>Failed <sup>5</sup>                      | Ratio: 5.42<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(121212) | Ratio: 1.09<br>Failed <sup>5</sup>                      | Ratio: 1.19<br>Failed <sup>5</sup>                      | Ratio: 1.10<br>Failed <sup>5</sup>                      |                                                         | Ratio: 5.94<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(919191) | Ratio: 5.46<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.98<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.42<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.94<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).