

# Converting Colors - WCAG Matrix

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

Hex(2B2300) Hex(383527) Hex(2B0009) Hex(1C1A12) Hex(9C9C9C) Hex(1C1C1C)

|             | Hex(2B2300)                                             | Hex(383527)                         | Hex(2B0009)                                             | Hex(1C1A12)                                             | Hex(9C9C9C)                                             | Hex(1C1C1C)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(2B2300) |                                                         | Ratio: 1.27<br>Failed <sup>5</sup>  | Ratio: 1.21<br>Failed <sup>5</sup>                      | Ratio: 1.11<br>Failed <sup>5</sup>                      | Ratio: 5.69<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.09<br>Failed <sup>5</sup>                      |
| Hex(383527) | Ratio: 1.27<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.54<br>Failed <sup>5</sup>                      | Ratio: 1.42<br>Failed <sup>5</sup>                      | Ratio: 4.48<br>AA 18pt <sup>2</sup>                     | Ratio: 1.39<br>Failed <sup>5</sup>                      |
| Hex(2B0009) | Ratio: 1.21<br>Failed <sup>5</sup>                      | Ratio: 1.54<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.09<br>Failed <sup>5</sup>                      | Ratio: 6.91<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.11<br>Failed <sup>5</sup>                      |
| Hex(1C1A12) | Ratio: 1.11<br>Failed <sup>5</sup>                      | Ratio: 1.42<br>Failed <sup>5</sup>  | Ratio: 1.09<br>Failed <sup>5</sup>                      |                                                         | Ratio: 6.34<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.02<br>Failed <sup>5</sup>                      |
| Hex(9C9C9C) | Ratio: 5.69<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.48<br>AA 18pt <sup>2</sup> | Ratio: 6.91<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.34<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 6.21<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(1C1C1C) | Ratio: 1.09<br>Failed <sup>5</sup>                      | Ratio: 1.39<br>Failed <sup>5</sup>  | Ratio: 1.11<br>Failed <sup>5</sup>                      | Ratio: 1.02<br>Failed <sup>5</sup>                      | Ratio: 6.21<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.

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