

# Converting Colors - WCAG Matrix

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

Hex(1B2522) Hex(21302B) Hex(1B2225) Hex(101212) Hex(005237) Hex(00D18A)

|             | Hex(1B2522)                        | Hex(21302B)                                             | Hex(1B2225)                        | Hex(101212)                        | Hex(005237)                                             | Hex(00D18A)                                             |
|-------------|------------------------------------|---------------------------------------------------------|------------------------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(1B2522) |                                    | Ratio: 1.14<br>Failed <sup>5</sup>                      | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.70<br>Failed <sup>5</sup>                      | Ratio: 7.86<br>Passed <sup>6</sup>                      |
| Hex(21302B) | Ratio: 1.14<br>Failed <sup>5</sup> |                                                         | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 1.36<br>Failed <sup>5</sup> | Ratio: 1.49<br>Failed <sup>5</sup>                      | Ratio: 6.89<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(1B2225) | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 1.17<br>Failed <sup>5</sup>                      |                                    | Ratio: 1.17<br>Failed <sup>5</sup> | Ratio: 1.74<br>Failed <sup>5</sup>                      | Ratio: 8.05<br>Passed <sup>6</sup>                      |
| Hex(101212) | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.36<br>Failed <sup>5</sup>                      | Ratio: 1.17<br>Failed <sup>5</sup> |                                    | Ratio: 2.02<br>Failed <sup>5</sup>                      | Ratio: 9.39<br>Passed <sup>6</sup>                      |
| Hex(005237) | Ratio: 1.70<br>Failed <sup>5</sup> | Ratio: 1.49<br>Failed <sup>5</sup>                      | Ratio: 1.74<br>Failed <sup>5</sup> | Ratio: 2.02<br>Failed <sup>5</sup> |                                                         | Ratio: 4.64<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(00D18A) | Ratio: 7.86<br>Passed <sup>6</sup> | Ratio: 6.89<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.05<br>Passed <sup>6</sup> | Ratio: 9.39<br>Passed <sup>6</sup> | Ratio: 4.64<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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