

# Converting Colors - WCAG Matrix

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

Hex(2B302C) Hex(374038) Hex(2B302E) Hex(151715) Hex(005709) Hex(00D616)

|             | Hex(2B302C)                                             | Hex(374038)                                             | Hex(2B302E)                                             | Hex(151715)                        | Hex(005709)                         | Hex(00D616)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(2B302C) |                                                         | Ratio: 1.25<br>Failed <sup>5</sup>                      | Ratio: 1.00<br>Failed <sup>5</sup>                      | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.52<br>Failed <sup>5</sup>  | Ratio: 6.81<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(374038) | Ratio: 1.25<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.25<br>Failed <sup>5</sup>                      | Ratio: 1.68<br>Failed <sup>5</sup> | Ratio: 1.21<br>Failed <sup>5</sup>  | Ratio: 5.44<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(2B302E) | Ratio: 1.00<br>Failed <sup>5</sup>                      | Ratio: 1.25<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.34<br>Failed <sup>5</sup> | Ratio: 1.51<br>Failed <sup>5</sup>  | Ratio: 6.79<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(151715) | Ratio: 1.34<br>Failed <sup>5</sup>                      | Ratio: 1.68<br>Failed <sup>5</sup>                      | Ratio: 1.34<br>Failed <sup>5</sup>                      |                                    | Ratio: 2.03<br>Failed <sup>5</sup>  | Ratio: 9.12<br>Passed <sup>6</sup>                      |
| Hex(005709) | Ratio: 1.52<br>Failed <sup>5</sup>                      | Ratio: 1.21<br>Failed <sup>5</sup>                      | Ratio: 1.51<br>Failed <sup>5</sup>                      | Ratio: 2.03<br>Failed <sup>5</sup> |                                     | Ratio: 4.49<br>AA 18pt <sup>2</sup>                     |
| Hex(00D616) | Ratio: 6.81<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.44<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.79<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 9.12<br>Passed <sup>6</sup> | Ratio: 4.49<br>AA 18pt <sup>2</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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