

# Converting Colors - WCAG Matrix

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

Hex(2B3344) Hex(323E59) Hex(302B44) Hex(1E2021) Hex(001E61) Hex(0047E0)

|             | Hex(2B3344)                        | Hex(323E59)                        | Hex(302B44)                        | Hex(1E2021)                        | Hex(001E61)                        | Hex(0047E0)                        |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(2B3344) |                                    | Ratio: 1.19<br>Failed <sup>5</sup> | Ratio: 1.07<br>Failed <sup>5</sup> | Ratio: 1.29<br>Failed <sup>5</sup> | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.79<br>Failed <sup>5</sup> |
| Hex(323E59) | Ratio: 1.19<br>Failed <sup>5</sup> |                                    | Ratio: 1.27<br>Failed <sup>5</sup> | Ratio: 1.53<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.51<br>Failed <sup>5</sup> |
| Hex(302B44) | Ratio: 1.07<br>Failed <sup>5</sup> | Ratio: 1.27<br>Failed <sup>5</sup> |                                    | Ratio: 1.21<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.92<br>Failed <sup>5</sup> |
| Hex(1E2021) | Ratio: 1.29<br>Failed <sup>5</sup> | Ratio: 1.53<br>Failed <sup>5</sup> | Ratio: 1.21<br>Failed <sup>5</sup> |                                    | Ratio: 1.06<br>Failed <sup>5</sup> | Ratio: 2.32<br>Failed <sup>5</sup> |
| Hex(001E61) | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 1.45<br>Failed <sup>5</sup> | Ratio: 1.14<br>Failed <sup>5</sup> | Ratio: 1.06<br>Failed <sup>5</sup> |                                    | Ratio: 2.19<br>Failed <sup>5</sup> |
| Hex(0047E0) | Ratio: 1.79<br>Failed <sup>5</sup> | Ratio: 1.51<br>Failed <sup>5</sup> | Ratio: 1.92<br>Failed <sup>5</sup> | Ratio: 2.32<br>Failed <sup>5</sup> | Ratio: 2.19<br>Failed <sup>5</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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