

# Converting Colors - WCAG Matrix

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

|             | Hex(454747)                        | Hex(2E3030)                        | Hex(1A1B1B)                        | Hex(000000)                        |
|-------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Hex(454747) |                                    | Ratio: 1.42<br>Failed <sup>5</sup> | Ratio: 1.85<br>Failed <sup>5</sup> | Ratio: 2.25<br>Failed <sup>5</sup> |
| Hex(2E3030) | Ratio: 1.42<br>Failed <sup>5</sup> |                                    | Ratio: 1.30<br>Failed <sup>5</sup> | Ratio: 1.58<br>Failed <sup>5</sup> |
| Hex(1A1B1B) | Ratio: 1.85<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup> |                                    | Ratio: 1.22<br>Failed <sup>5</sup> |
| Hex(000000) | Ratio: 2.25<br>Failed <sup>5</sup> | Ratio: 1.58<br>Failed <sup>5</sup> | Ratio: 1.22<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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