

# Converting Colors - WCAG Matrix

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

Hex(2E2E42) Hex(4F4F57) Hex(2E4242) Hex(27272B) Hex(ABABAB) Hex(2B2B2B)

|             | Hex(2E2E42)                                             | Hex(4F4F57)                         | Hex(2E4242)                                             | Hex(27272B)                                             | Hex(ABABAB)                                             | Hex(2B2B2B)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(2E2E42) |                                                         | Ratio: 1.63<br>Failed <sup>5</sup>  | Ratio: 1.25<br>Failed <sup>5</sup>                      | Ratio: 1.12<br>Failed <sup>5</sup>                      | Ratio: 5.77<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.07<br>Failed <sup>5</sup>                      |
| Hex(4F4F57) | Ratio: 1.63<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.31<br>Failed <sup>5</sup>                      | Ratio: 1.83<br>Failed <sup>5</sup>                      | Ratio: 3.53<br>AA 18pt <sup>2</sup>                     | Ratio: 1.75<br>Failed <sup>5</sup>                      |
| Hex(2E4242) | Ratio: 1.25<br>Failed <sup>5</sup>                      | Ratio: 1.31<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.40<br>Failed <sup>5</sup>                      | Ratio: 4.63<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.33<br>Failed <sup>5</sup>                      |
| Hex(27272B) | Ratio: 1.12<br>Failed <sup>5</sup>                      | Ratio: 1.83<br>Failed <sup>5</sup>  | Ratio: 1.40<br>Failed <sup>5</sup>                      |                                                         | Ratio: 6.48<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.05<br>Failed <sup>5</sup>                      |
| Hex(ABABAB) | Ratio: 5.77<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.53<br>AA 18pt <sup>2</sup> | Ratio: 4.63<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.48<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 6.17<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(2B2B2B) | Ratio: 1.07<br>Failed <sup>5</sup>                      | Ratio: 1.75<br>Failed <sup>5</sup>  | Ratio: 1.33<br>Failed <sup>5</sup>                      | Ratio: 1.05<br>Failed <sup>5</sup>                      | Ratio: 6.17<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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