

# Converting Colors - WCAG Matrix

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

**Hex(263B1F) Hex(454D42) Hex(3B331F) Hex(212621) Hex(A6A6A6) Hex(262626)**

|             | Hex(263B1F)                                             | Hex(454D42)                         | Hex(3B331F)                                             | Hex(212621)                                             | Hex(A6A6A6)                                             | Hex(262626)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(263B1F) |                                                         | Ratio: 1.39<br>Failed <sup>5</sup>  | Ratio: 1.03<br>Failed <sup>5</sup>                      | Ratio: 1.27<br>Failed <sup>5</sup>                      | Ratio: 4.99<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.25<br>Failed <sup>5</sup>                      |
| Hex(454D42) | Ratio: 1.39<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.43<br>Failed <sup>5</sup>                      | Ratio: 1.75<br>Failed <sup>5</sup>                      | Ratio: 3.60<br>AA 18pt <sup>2</sup>                     | Ratio: 1.72<br>Failed <sup>5</sup>                      |
| Hex(3B331F) | Ratio: 1.03<br>Failed <sup>5</sup>                      | Ratio: 1.43<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.23<br>Failed <sup>5</sup>                      | Ratio: 5.14<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.21<br>Failed <sup>5</sup>                      |
| Hex(212621) | Ratio: 1.27<br>Failed <sup>5</sup>                      | Ratio: 1.75<br>Failed <sup>5</sup>  | Ratio: 1.23<br>Failed <sup>5</sup>                      |                                                         | Ratio: 6.33<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.02<br>Failed <sup>5</sup>                      |
| Hex(A6A6A6) | Ratio: 4.99<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.60<br>AA 18pt <sup>2</sup> | Ratio: 5.14<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.33<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 6.22<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(262626) | Ratio: 1.25<br>Failed <sup>5</sup>                      | Ratio: 1.72<br>Failed <sup>5</sup>  | Ratio: 1.21<br>Failed <sup>5</sup>                      | Ratio: 1.02<br>Failed <sup>5</sup>                      | Ratio: 6.22<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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