

# Converting Colors - WCAG Matrix

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

Hex(455C4E) Hex(547862) Hex(455C59) Hex(292E2B) Hex(006E2B) Hex(00ED5D)

|             | Hex(455C4E)                                             | Hex(547862)                         | Hex(455C59)                                             | Hex(292E2B)                        | Hex(006E2B)                         | Hex(00ED5D)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(455C4E) |                                                         | Ratio: 1.47<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>                      | Ratio: 1.90<br>Failed <sup>5</sup> | Ratio: 1.13<br>Failed <sup>5</sup>  | Ratio: 4.59<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(547862) | Ratio: 1.47<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.45<br>Failed <sup>5</sup>                      | Ratio: 2.79<br>Failed <sup>5</sup> | Ratio: 1.30<br>Failed <sup>5</sup>  | Ratio: 3.13<br>AA 18pt <sup>2</sup>                     |
| Hex(455C59) | Ratio: 1.01<br>Failed <sup>5</sup>                      | Ratio: 1.45<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.93<br>Failed <sup>5</sup> | Ratio: 1.12<br>Failed <sup>5</sup>  | Ratio: 4.53<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(292E2B) | Ratio: 1.90<br>Failed <sup>5</sup>                      | Ratio: 2.79<br>Failed <sup>5</sup>  | Ratio: 1.93<br>Failed <sup>5</sup>                      |                                    | Ratio: 2.15<br>Failed <sup>5</sup>  | Ratio: 8.73<br>Passed <sup>6</sup>                      |
| Hex(006E2B) | Ratio: 1.13<br>Failed <sup>5</sup>                      | Ratio: 1.30<br>Failed <sup>5</sup>  | Ratio: 1.12<br>Failed <sup>5</sup>                      | Ratio: 2.15<br>Failed <sup>5</sup> |                                     | Ratio: 4.06<br>AA 18pt <sup>2</sup>                     |
| Hex(00ED5D) | Ratio: 4.59<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.13<br>AA 18pt <sup>2</sup> | Ratio: 4.53<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 8.73<br>Passed <sup>6</sup> | Ratio: 4.06<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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