

# Converting Colors - WCAG Matrix

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

Hex(244633) Hex(275C3D) Hex(244644) Hex(202422) Hex(00632A) Hex(00E360)

|             | Hex(244633)                                             | Hex(275C3D)                                             | Hex(244644)                                             | Hex(202422)                        | Hex(00632A)                         | Hex(00E360)                                             |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(244633) |                                                         | Ratio: 1.34<br>Failed <sup>5</sup>                      | Ratio: 1.02<br>Failed <sup>5</sup>                      | Ratio: 1.50<br>Failed <sup>5</sup> | Ratio: 1.41<br>Failed <sup>5</sup>  | Ratio: 6.08<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(275C3D) | Ratio: 1.34<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.32<br>Failed <sup>5</sup>                      | Ratio: 2.01<br>Failed <sup>5</sup> | Ratio: 1.05<br>Failed <sup>5</sup>  | Ratio: 4.53<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(244644) | Ratio: 1.02<br>Failed <sup>5</sup>                      | Ratio: 1.32<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.52<br>Failed <sup>5</sup> | Ratio: 1.39<br>Failed <sup>5</sup>  | Ratio: 5.97<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(202422) | Ratio: 1.50<br>Failed <sup>5</sup>                      | Ratio: 2.01<br>Failed <sup>5</sup>                      | Ratio: 1.52<br>Failed <sup>5</sup>                      |                                    | Ratio: 2.11<br>Failed <sup>5</sup>  | Ratio: 9.09<br>Passed <sup>6</sup>                      |
| Hex(00632A) | Ratio: 1.41<br>Failed <sup>5</sup>                      | Ratio: 1.05<br>Failed <sup>5</sup>                      | Ratio: 1.39<br>Failed <sup>5</sup>                      | Ratio: 2.11<br>Failed <sup>5</sup> |                                     | Ratio: 4.31<br>AA 18pt <sup>2</sup>                     |
| Hex(00E360) | Ratio: 6.08<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.53<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.97<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 9.09<br>Passed <sup>6</sup> | Ratio: 4.31<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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