

# Converting Colors - WCAG Matrix

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

**Hex(484A41) Hex(5E6152) Hex(444A41) Hex(252622) Hex(4F6600) Hex(B2E600)**

| Hex(484A41) |                                                                                                         | <a href="#">Ratio: 1.42</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.01</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.69</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.39</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 6.10</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> |
|-------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Hex(5E6152) | <a href="#">Ratio: 1.42</a><br><a href="#">Failed</a> <sup>5</sup>                                      |                                                                     | <a href="#">Ratio: 1.44</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.40</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.02</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 4.30</a><br><a href="#">AA 18pt</a> <sup>2</sup>                                     |
| Hex(444A41) | <a href="#">Ratio: 1.01</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.44</a><br><a href="#">Failed</a> <sup>5</sup>  |                                                                                                         | <a href="#">Ratio: 1.67</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.40</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 6.17</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> |
| Hex(252622) | <a href="#">Ratio: 1.69</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.40</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.67</a><br><a href="#">Failed</a> <sup>5</sup>                                      |                                                                     | <a href="#">Ratio: 2.34</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 10.31</a><br><a href="#">Passed</a> <sup>6</sup>                                     |
| Hex(4F6600) | <a href="#">Ratio: 1.39</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 1.02</a><br><a href="#">Failed</a> <sup>5</sup>  | <a href="#">Ratio: 1.40</a><br><a href="#">Failed</a> <sup>5</sup>                                      | <a href="#">Ratio: 2.34</a><br><a href="#">Failed</a> <sup>5</sup>  |                                                                     | <a href="#">Ratio: 4.40</a><br><a href="#">AA 18pt</a> <sup>2</sup>                                     |
| Hex(B2E600) | <a href="#">Ratio: 6.10</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 4.30</a><br><a href="#">AA 18pt</a> <sup>2</sup> | <a href="#">Ratio: 6.17</a><br><a href="#">AA</a> <sup>1</sup><br><a href="#">AAA 18pt</a> <sup>4</sup> | <a href="#">Ratio: 10.31</a><br><a href="#">Passed</a> <sup>6</sup> | <a href="#">Ratio: 4.40</a><br><a href="#">AA 18pt</a> <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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