

# Converting Colors - WCAG Matrix

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

Hex(736C62) Hex(5A544A) Hex(433D34) Hex(2D271F) Hex(191206) Hex(020000)

|             | Hex(736C62)                                         | Hex(5A544A)                                        | Hex(433D34)                                        | Hex(2D271F)                                        | Hex(191206)                                         | Hex(020000)                                         |
|-------------|-----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Hex(736C62) |                                                     | <a href="#">Ratio: 1.45</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.07</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.85</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 3.58</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 4.04</a><br>AA 18pt <sup>2</sup> |
| Hex(5A544A) | <a href="#">Ratio: 1.45</a><br>Failed <sup>5</sup>  |                                                    | <a href="#">Ratio: 1.43</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.97</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.48</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 2.79</a><br>Failed <sup>5</sup>  |
| Hex(433D34) | <a href="#">Ratio: 2.07</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.43</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.38</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.73</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.95</a><br>Failed <sup>5</sup>  |
| Hex(2D271F) | <a href="#">Ratio: 2.85</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.97</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.38</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.26</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.42</a><br>Failed <sup>5</sup>  |
| Hex(191206) | <a href="#">Ratio: 3.58</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 2.48</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.73</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.26</a><br>Failed <sup>5</sup> |                                                     | <a href="#">Ratio: 1.13</a><br>Failed <sup>5</sup>  |
| Hex(020000) | <a href="#">Ratio: 4.04</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 2.79</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.95</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.42</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.13</a><br>Failed <sup>5</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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