

# Converting Colors - WCAG Matrix

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

Hex(2F5C3C) Hex(66786B) Hex(4F5C2F) Hex(323D35) Hex(BDBDBD) Hex(3D3D3D)

|             | Hex(2F5C3C)                         | Hex(66786B)                        | Hex(4F5C2F)                         | Hex(323D35)                                             | Hex(BDBDBD)                                             | Hex(3D3D3D)                                             |
|-------------|-------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(2F5C3C) |                                     | Ratio: 1.64<br>Failed <sup>5</sup> | Ratio: 1.07<br>Failed <sup>5</sup>  | Ratio: 1.47<br>Failed <sup>5</sup>                      | Ratio: 4.11<br>AA 18pt <sup>2</sup>                     | Ratio: 1.41<br>Failed <sup>5</sup>                      |
| Hex(66786B) | Ratio: 1.64<br>Failed <sup>5</sup>  |                                    | Ratio: 1.54<br>Failed <sup>5</sup>  | Ratio: 2.41<br>Failed <sup>5</sup>                      | Ratio: 2.50<br>Failed <sup>5</sup>                      | Ratio: 2.31<br>Failed <sup>5</sup>                      |
| Hex(4F5C2F) | Ratio: 1.07<br>Failed <sup>5</sup>  | Ratio: 1.54<br>Failed <sup>5</sup> |                                     | Ratio: 1.57<br>Failed <sup>5</sup>                      | Ratio: 3.85<br>AA 18pt <sup>2</sup>                     | Ratio: 1.50<br>Failed <sup>5</sup>                      |
| Hex(323D35) | Ratio: 1.47<br>Failed <sup>5</sup>  | Ratio: 2.41<br>Failed <sup>5</sup> | Ratio: 1.57<br>Failed <sup>5</sup>  |                                                         | Ratio: 6.03<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.04<br>Failed <sup>5</sup>                      |
| Hex(BDBDBD) | Ratio: 4.11<br>AA 18pt <sup>2</sup> | Ratio: 2.50<br>Failed <sup>5</sup> | Ratio: 3.85<br>AA 18pt <sup>2</sup> | Ratio: 6.03<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 5.78<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(3D3D3D) | Ratio: 1.41<br>Failed <sup>5</sup>  | Ratio: 2.31<br>Failed <sup>5</sup> | Ratio: 1.50<br>Failed <sup>5</sup>  | Ratio: 1.04<br>Failed <sup>5</sup>                      | Ratio: 5.78<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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