

# Converting Colors - WCAG Matrix

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

Hex(4D6666) Hex(5E8585) Hex(4D5A66) Hex(2E3333) Hex(007373) Hex(00F2F2)

|             | Hex(4D6666)                         | Hex(5E8585)                         | Hex(4D5A66)                                             | Hex(2E3333)                         | Hex(007373)                         | Hex(00F2F2)                                             |
|-------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(4D6666) |                                     | Ratio: 1.52<br>Failed <sup>5</sup>  | Ratio: 1.15<br>Failed <sup>5</sup>                      | Ratio: 2.08<br>Failed <sup>5</sup>  | Ratio: 1.09<br>Failed <sup>5</sup>  | Ratio: 4.40<br>AA 18pt <sup>2</sup>                     |
| Hex(5E8585) | Ratio: 1.52<br>Failed <sup>5</sup>  |                                     | Ratio: 1.74<br>Failed <sup>5</sup>                      | Ratio: 3.16<br>AA 18pt <sup>2</sup> | Ratio: 1.40<br>Failed <sup>5</sup>  | Ratio: 2.90<br>Failed <sup>5</sup>                      |
| Hex(4D5A66) | Ratio: 1.15<br>Failed <sup>5</sup>  | Ratio: 1.74<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.81<br>Failed <sup>5</sup>  | Ratio: 1.25<br>Failed <sup>5</sup>  | Ratio: 5.05<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(2E3333) | Ratio: 2.08<br>Failed <sup>5</sup>  | Ratio: 3.16<br>AA 18pt <sup>2</sup> | Ratio: 1.81<br>Failed <sup>5</sup>                      |                                     | Ratio: 2.26<br>Failed <sup>5</sup>  | Ratio: 9.15<br>Passed <sup>6</sup>                      |
| Hex(007373) | Ratio: 1.09<br>Failed <sup>5</sup>  | Ratio: 1.40<br>Failed <sup>5</sup>  | Ratio: 1.25<br>Failed <sup>5</sup>                      | Ratio: 2.26<br>Failed <sup>5</sup>  |                                     | Ratio: 4.05<br>AA 18pt <sup>2</sup>                     |
| Hex(00F2F2) | Ratio: 4.40<br>AA 18pt <sup>2</sup> | Ratio: 2.90<br>Failed <sup>5</sup>  | Ratio: 5.05<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 9.15<br>Passed <sup>6</sup>  | Ratio: 4.05<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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