

# Converting Colors - WCAG Matrix

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

Hex(0E839D) Hex(00A7CC) Hex(0E3E9D) Hex(474E4F) Hex(00758F) Hex(000D0F)

|             | Hex(0E839D)                         | Hex(00A7CC)                                             | Hex(0E3E9D)                         | Hex(474E4F)                        | Hex(00758F)                         | Hex(000D0F)                                             |
|-------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|---------------------------------------------------------|
| Hex(0E839D) |                                     | Ratio: 1.56<br>Failed <sup>5</sup>                      | Ratio: 2.17<br>Failed <sup>5</sup>  | Ratio: 1.92<br>Failed <sup>5</sup> | Ratio: 1.21<br>Failed <sup>5</sup>  | Ratio: 4.46<br>AA 18pt <sup>2</sup>                     |
| Hex(00A7CC) | Ratio: 1.56<br>Failed <sup>5</sup>  |                                                         | Ratio: 3.37<br>AA 18pt <sup>2</sup> | Ratio: 2.99<br>Failed <sup>5</sup> | Ratio: 1.88<br>Failed <sup>5</sup>  | Ratio: 6.95<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(0E3E9D) | Ratio: 2.17<br>Failed <sup>5</sup>  | Ratio: 3.37<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 1.13<br>Failed <sup>5</sup> | Ratio: 1.80<br>Failed <sup>5</sup>  | Ratio: 2.06<br>Failed <sup>5</sup>                      |
| Hex(474E4F) | Ratio: 1.92<br>Failed <sup>5</sup>  | Ratio: 2.99<br>Failed <sup>5</sup>                      | Ratio: 1.13<br>Failed <sup>5</sup>  |                                    | Ratio: 1.60<br>Failed <sup>5</sup>  | Ratio: 2.32<br>Failed <sup>5</sup>                      |
| Hex(00758F) | Ratio: 1.21<br>Failed <sup>5</sup>  | Ratio: 1.88<br>Failed <sup>5</sup>                      | Ratio: 1.80<br>Failed <sup>5</sup>  | Ratio: 1.60<br>Failed <sup>5</sup> |                                     | Ratio: 3.70<br>AA 18pt <sup>2</sup>                     |
| Hex(000D0F) | Ratio: 4.46<br>AA 18pt <sup>2</sup> | Ratio: 6.95<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 2.06<br>Failed <sup>5</sup>  | Ratio: 2.32<br>Failed <sup>5</sup> | Ratio: 3.70<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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