

# Converting Colors - WCAG Matrix

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

Hex(E4DFF0) Hex(F0EBFF) Hex(ECDFF0) Hex(6F6C78) Hex(3400B8) Hex(100038)

|             | Hex(E4DFF0)                         | Hex(F0EBFF)                         | Hex(ECDFF0)                         | Hex(6F6C78)                         | Hex(3400B8)                        | Hex(100038)                         |
|-------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(E4DFF0) |                                     | Ratio: 1.12<br>Failed <sup>5</sup>  | Ratio: 1.02<br>Failed <sup>5</sup>  | Ratio: 3.94<br>AA 18pt <sup>2</sup> | Ratio: 8.77<br>Passed <sup>6</sup> | Ratio: 14.93<br>Passed <sup>6</sup> |
| Hex(F0EBFF) | Ratio: 1.12<br>Failed <sup>5</sup>  |                                     | Ratio: 1.10<br>Failed <sup>5</sup>  | Ratio: 4.41<br>AA 18pt <sup>2</sup> | Ratio: 9.81<br>Passed <sup>6</sup> | Ratio: 16.71<br>Passed <sup>6</sup> |
| Hex(ECDFF0) | Ratio: 1.02<br>Failed <sup>5</sup>  | Ratio: 1.10<br>Failed <sup>5</sup>  |                                     | Ratio: 4.00<br>AA 18pt <sup>2</sup> | Ratio: 8.91<br>Passed <sup>6</sup> | Ratio: 15.18<br>Passed <sup>6</sup> |
| Hex(6F6C78) | Ratio: 3.94<br>AA 18pt <sup>2</sup> | Ratio: 4.41<br>AA 18pt <sup>2</sup> | Ratio: 4.00<br>AA 18pt <sup>2</sup> |                                     | Ratio: 2.23<br>Failed <sup>5</sup> | Ratio: 3.79<br>AA 18pt <sup>2</sup> |
| Hex(3400B8) | Ratio: 8.77<br>Passed <sup>6</sup>  | Ratio: 9.81<br>Passed <sup>6</sup>  | Ratio: 8.91<br>Passed <sup>6</sup>  | Ratio: 2.23<br>Failed <sup>5</sup>  |                                    | Ratio: 1.70<br>Failed <sup>5</sup>  |
| Hex(100038) | Ratio: 14.93<br>Passed <sup>6</sup> | Ratio: 16.71<br>Passed <sup>6</sup> | Ratio: 15.18<br>Passed <sup>6</sup> | Ratio: 3.79<br>AA 18pt <sup>2</sup> | Ratio: 1.70<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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