

# Converting Colors - WCAG Matrix

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

Hex(EEEECF2) Hex(FAF7FF) Hex(F1ECF2) Hex(747378) Hex(3700B8) Hex(110038)

|              | Hex(EEEECF2)                        | Hex(FAF7FF)                         | Hex(F1ECF2)                         | Hex(747378)                         | Hex(3700B8)                         | Hex(110038)                         |
|--------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(EEEECF2) |                                     | Ratio: 1.11<br>Failed <sup>5</sup>  | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 4.01<br>AA 18pt <sup>2</sup> | Ratio: 9.66<br>Passed <sup>6</sup>  | Ratio: 16.57<br>Passed <sup>6</sup> |
| Hex(FAF7FF)  | Ratio: 1.11<br>Failed <sup>5</sup>  |                                     | Ratio: 1.10<br>Failed <sup>5</sup>  | Ratio: 4.44<br>AA 18pt <sup>2</sup> | Ratio: 10.68<br>Passed <sup>6</sup> | Ratio: 18.33<br>Passed <sup>6</sup> |
| Hex(F1ECF2)  | Ratio: 1.01<br>Failed <sup>5</sup>  | Ratio: 1.10<br>Failed <sup>5</sup>  |                                     | Ratio: 4.03<br>AA 18pt <sup>2</sup> | Ratio: 9.72<br>Passed <sup>6</sup>  | Ratio: 16.67<br>Passed <sup>6</sup> |
| Hex(747378)  | Ratio: 4.01<br>AA 18pt <sup>2</sup> | Ratio: 4.44<br>AA 18pt <sup>2</sup> | Ratio: 4.03<br>AA 18pt <sup>2</sup> |                                     | Ratio: 2.41<br>Failed <sup>5</sup>  | Ratio: 4.13<br>AA 18pt <sup>2</sup> |
| Hex(3700B8)  | Ratio: 9.66<br>Passed <sup>6</sup>  | Ratio: 10.68<br>Passed <sup>6</sup> | Ratio: 9.72<br>Passed <sup>6</sup>  | Ratio: 2.41<br>Failed <sup>5</sup>  |                                     | Ratio: 1.72<br>Failed <sup>5</sup>  |
| Hex(110038)  | Ratio: 16.57<br>Passed <sup>6</sup> | Ratio: 18.33<br>Passed <sup>6</sup> | Ratio: 16.67<br>Passed <sup>6</sup> | Ratio: 4.13<br>AA 18pt <sup>2</sup> | Ratio: 1.72<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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