

# Converting Colors - WCAG Matrix

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

Hex(E9DFE7) Hex(FFF2FC) Hex(E2E9DF) Hex(756E74) Hex(B50091) Hex(36002B)

|             | Hex(E9DFE7)                                             | Hex(FFF2FC)                                             | Hex(E2E9DF)                                             | Hex(756E74)                                             | Hex(B50091)                                             | Hex(36002B)                         |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(E9DFE7) |                                                         | Ratio: 1.20<br>Failed <sup>5</sup>                      | Ratio: 1.05<br>Failed <sup>5</sup>                      | Ratio: 3.82<br>AA 18pt <sup>2</sup>                     | Ratio: 4.79<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 13.57<br>Passed <sup>6</sup> |
| Hex(FFF2FC) | Ratio: 1.20<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.14<br>Failed <sup>5</sup>                      | Ratio: 4.57<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.74<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 16.24<br>Passed <sup>6</sup> |
| Hex(E2E9DF) | Ratio: 1.05<br>Failed <sup>5</sup>                      | Ratio: 1.14<br>Failed <sup>5</sup>                      |                                                         | Ratio: 4.00<br>AA 18pt <sup>2</sup>                     | Ratio: 5.03<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 14.23<br>Passed <sup>6</sup> |
| Hex(756E74) | Ratio: 3.82<br>AA 18pt <sup>2</sup>                     | Ratio: 4.57<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 4.00<br>AA 18pt <sup>2</sup>                     |                                                         | Ratio: 1.26<br>Failed <sup>5</sup>                      | Ratio: 3.56<br>AA 18pt <sup>2</sup> |
| Hex(B50091) | Ratio: 4.79<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.74<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 5.03<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.26<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.83<br>Failed <sup>5</sup>  |
| Hex(36002B) | Ratio: 13.57<br>Passed <sup>6</sup>                     | Ratio: 16.24<br>Passed <sup>6</sup>                     | Ratio: 14.23<br>Passed <sup>6</sup>                     | Ratio: 3.56<br>AA 18pt <sup>2</sup>                     | Ratio: 2.83<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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