

# Converting Colors - WCAG Matrix

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

Hex(F9EFF0) Hex(FFF2F4) Hex(F9F3EF) Hex(7D7576) Hex(BD0013) Hex(3D0006)

|             | Hex(F9EFF0)                                             | Hex(FFF2F4)                                             | Hex(F9F3EF)                                             | Hex(7D7576)                         | Hex(BD0013)                                             | Hex(3D0006)                         |
|-------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(F9EFF0) |                                                         | Ratio: 1.03<br>Failed <sup>5</sup>                      | Ratio: 1.02<br>Failed <sup>5</sup>                      | Ratio: 3.98<br>AA 18pt <sup>2</sup> | Ratio: 5.87<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 15.51<br>Passed <sup>6</sup> |
| Hex(FFF2F4) | Ratio: 1.03<br>Failed <sup>5</sup>                      |                                                         | Ratio: 1.01<br>Failed <sup>5</sup>                      | Ratio: 4.12<br>AA 18pt <sup>2</sup> | Ratio: 6.07<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 16.04<br>Passed <sup>6</sup> |
| Hex(F9F3EF) | Ratio: 1.02<br>Failed <sup>5</sup>                      | Ratio: 1.01<br>Failed <sup>5</sup>                      |                                                         | Ratio: 4.08<br>AA 18pt <sup>2</sup> | Ratio: 6.02<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 15.90<br>Passed <sup>6</sup> |
| Hex(7D7576) | Ratio: 3.98<br>AA 18pt <sup>2</sup>                     | Ratio: 4.12<br>AA 18pt <sup>2</sup>                     | Ratio: 4.08<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 1.47<br>Failed <sup>5</sup>                      | Ratio: 3.90<br>AA 18pt <sup>2</sup> |
| Hex(BD0013) | Ratio: 5.87<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.07<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.02<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.47<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.64<br>Failed <sup>5</sup>  |
| Hex(3D0006) | Ratio: 15.51<br>Passed <sup>6</sup>                     | Ratio: 16.04<br>Passed <sup>6</sup>                     | Ratio: 15.90<br>Passed <sup>6</sup>                     | Ratio: 3.90<br>AA 18pt <sup>2</sup> | Ratio: 2.64<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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