

# Converting Colors - WCAG Matrix

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

Hex(B7AEB5) Hex(EDDFEA) Hex(B7B5AE) Hex(5C555A) Hex(9C0075) Hex(1C0015)

|             | Hex(B7AEB5)                         | Hex(EDDFEA)                                             | Hex(B7B5AE)                         | Hex(5C555A)                                             | Hex(9C0075)                                             | Hex(1C0015)                         |
|-------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(B7AEB5) |                                     | Ratio: 1.68<br>Failed <sup>5</sup>                      | Ratio: 1.05<br>Failed <sup>5</sup>  | Ratio: 3.35<br>AA 18pt <sup>2</sup>                     | Ratio: 3.65<br>AA 18pt <sup>2</sup>                     | Ratio: 9.18<br>Passed <sup>6</sup>  |
| Hex(EDDFEA) | Ratio: 1.68<br>Failed <sup>5</sup>  |                                                         | Ratio: 1.60<br>Failed <sup>5</sup>  | Ratio: 5.63<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.12<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 15.42<br>Passed <sup>6</sup> |
| Hex(B7B5AE) | Ratio: 1.05<br>Failed <sup>5</sup>  | Ratio: 1.60<br>Failed <sup>5</sup>                      |                                     | Ratio: 3.53<br>AA 18pt <sup>2</sup>                     | Ratio: 3.83<br>AA 18pt <sup>2</sup>                     | Ratio: 9.65<br>Passed <sup>6</sup>  |
| Hex(5C555A) | Ratio: 3.35<br>AA 18pt <sup>2</sup> | Ratio: 5.63<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.53<br>AA 18pt <sup>2</sup> |                                                         | Ratio: 1.09<br>Failed <sup>5</sup>                      | Ratio: 2.74<br>Failed <sup>5</sup>  |
| Hex(9C0075) | Ratio: 3.65<br>AA 18pt <sup>2</sup> | Ratio: 6.12<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.83<br>AA 18pt <sup>2</sup> | Ratio: 1.09<br>Failed <sup>5</sup>                      |                                                         | Ratio: 2.52<br>Failed <sup>5</sup>  |
| Hex(1C0015) | Ratio: 9.18<br>Passed <sup>6</sup>  | Ratio: 15.42<br>Passed <sup>6</sup>                     | Ratio: 9.65<br>Passed <sup>6</sup>  | Ratio: 2.74<br>Failed <sup>5</sup>                      | Ratio: 2.52<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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