

# Converting Colors - WCAG Matrix

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

Hex(E8A2BE) Hex(FFA3C8) Hex(A2E8A9) Hex(756A6E) Hex(B50048) Hex(360015)

|             | Hex(E8A2BE)                         | Hex(FFA3C8)                         | Hex(A2E8A9)                                             | Hex(756A6E)                         | Hex(B50048)                                             | Hex(360015)                         |
|-------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(E8A2BE) |                                     | Ratio: 1.09<br>Failed <sup>5</sup>  | Ratio: 1.42<br>Failed <sup>5</sup>                      | Ratio: 2.56<br>Failed <sup>5</sup>  | Ratio: 3.38<br>AA 18pt <sup>2</sup>                     | Ratio: 8.86<br>Passed <sup>6</sup>  |
| Hex(FFA3C8) | Ratio: 1.09<br>Failed <sup>5</sup>  |                                     | Ratio: 1.29<br>Failed <sup>5</sup>                      | Ratio: 2.80<br>Failed <sup>5</sup>  | Ratio: 3.70<br>AA 18pt <sup>2</sup>                     | Ratio: 9.70<br>Passed <sup>6</sup>  |
| Hex(A2E8A9) | Ratio: 1.42<br>Failed <sup>5</sup>  | Ratio: 1.29<br>Failed <sup>5</sup>  |                                                         | Ratio: 3.62<br>AA 18pt <sup>2</sup> | Ratio: 4.79<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 12.55<br>Passed <sup>6</sup> |
| Hex(756A6E) | Ratio: 2.56<br>Failed <sup>5</sup>  | Ratio: 2.80<br>Failed <sup>5</sup>  | Ratio: 3.62<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 1.32<br>Failed <sup>5</sup>                      | Ratio: 3.46<br>AA 18pt <sup>2</sup> |
| Hex(B50048) | Ratio: 3.38<br>AA 18pt <sup>2</sup> | Ratio: 3.70<br>AA 18pt <sup>2</sup> | Ratio: 4.79<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.32<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.62<br>Failed <sup>5</sup>  |
| Hex(360015) | Ratio: 8.86<br>Passed <sup>6</sup>  | Ratio: 9.70<br>Passed <sup>6</sup>  | Ratio: 12.55<br>Passed <sup>6</sup>                     | Ratio: 3.46<br>AA 18pt <sup>2</sup> | Ratio: 2.62<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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