

# Converting Colors - WCAG Matrix

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

Hex(EBB2D3) Hex(FFB5E0) Hex(EBE6B2) Hex(756A70) Hex(B5006A) Hex(36001F)

|             | Hex(EBB2D3)                         | Hex(FFB5E0)                         | Hex(EBE6B2)                                             | Hex(756A70)                         | Hex(B5006A)                                             | Hex(36001F)                         |
|-------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|-------------------------------------|
| Hex(EBB2D3) |                                     | Ratio: 1.09<br>Failed <sup>5</sup>  | Ratio: 1.39<br>Failed <sup>5</sup>                      | Ratio: 2.92<br>Failed <sup>5</sup>  | Ratio: 3.73<br>AA 18pt <sup>2</sup>                     | Ratio: 10.06<br>Passed <sup>6</sup> |
| Hex(FFB5E0) | Ratio: 1.09<br>Failed <sup>5</sup>  |                                     | Ratio: 1.27<br>Failed <sup>5</sup>                      | Ratio: 3.19<br>AA 18pt <sup>2</sup> | Ratio: 4.08<br>AA 18pt <sup>2</sup>                     | Ratio: 11.00<br>Passed <sup>6</sup> |
| Hex(EBE6B2) | Ratio: 1.39<br>Failed <sup>5</sup>  | Ratio: 1.27<br>Failed <sup>5</sup>  |                                                         | Ratio: 4.07<br>AA 18pt <sup>2</sup> | Ratio: 5.20<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 14.02<br>Passed <sup>6</sup> |
| Hex(756A70) | Ratio: 2.92<br>Failed <sup>5</sup>  | Ratio: 3.19<br>AA 18pt <sup>2</sup> | Ratio: 4.07<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 1.28<br>Failed <sup>5</sup>                      | Ratio: 3.44<br>AA 18pt <sup>2</sup> |
| Hex(B5006A) | Ratio: 3.73<br>AA 18pt <sup>2</sup> | Ratio: 4.08<br>AA 18pt <sup>2</sup> | Ratio: 5.20<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.28<br>Failed <sup>5</sup>  |                                                         | Ratio: 2.70<br>Failed <sup>5</sup>  |
| Hex(36001F) | Ratio: 10.06<br>Passed <sup>6</sup> | Ratio: 11.00<br>Passed <sup>6</sup> | Ratio: 14.02<br>Passed <sup>6</sup>                     | Ratio: 3.44<br>AA 18pt <sup>2</sup> | Ratio: 2.70<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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