

# Converting Colors - WCAG Matrix

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

Hex(B3617D) Hex(E8C8D3) Hex(9661B3) Hex(756168) Hex(F5F5F5) Hex(757575)

|             | Hex(B3617D)                                         | Hex(E8C8D3)                                         | Hex(9661B3)                                         | Hex(756168)                                                             | Hex(F5F5F5)                                                             | Hex(757575)                                         |
|-------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------|
| Hex(B3617D) |                                                     | Ratio: <a href="#">2.77</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.06</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.34</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">3.91</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">1.08</a><br>Failed <sup>5</sup>  |
| Hex(E8C8D3) | Ratio: <a href="#">2.77</a><br>Failed <sup>5</sup>  |                                                     | Ratio: <a href="#">2.93</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">3.72</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">1.41</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">2.99</a><br>Failed <sup>5</sup>  |
| Hex(9661B3) | Ratio: <a href="#">1.06</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">2.93</a><br>Failed <sup>5</sup>  |                                                     | Ratio: <a href="#">1.27</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">4.14</a><br>AA 18pt <sup>2</sup>                     | Ratio: <a href="#">1.02</a><br>Failed <sup>5</sup>  |
| Hex(756168) | Ratio: <a href="#">1.34</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">3.72</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">1.27</a><br>Failed <sup>5</sup>  |                                                                         | Ratio: <a href="#">5.25</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: <a href="#">1.24</a><br>Failed <sup>5</sup>  |
| Hex(F5F5F5) | Ratio: <a href="#">3.91</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">1.41</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">4.14</a><br>AA 18pt <sup>2</sup> | Ratio: <a href="#">5.25</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                                         | Ratio: <a href="#">4.23</a><br>AA 18pt <sup>2</sup> |
| Hex(757575) | Ratio: <a href="#">1.08</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">2.99</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.02</a><br>Failed <sup>5</sup>  | Ratio: <a href="#">1.24</a><br>Failed <sup>5</sup>                      | Ratio: <a href="#">4.23</a><br>AA 18pt <sup>2</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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