

# Converting Colors - WCAG Matrix

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

Hex(9D2710) Hex(CC9E95) Hex(9D1088) Hex(664B45) Hex(E6E6E6) Hex(666666)

|             | Hex(9D2710)                                             | Hex(CC9E95)                         | Hex(9D1088)                                             | Hex(664B45)                                             | Hex(E6E6E6)                                             | Hex(666666)                                             |
|-------------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Hex(9D2710) |                                                         | Ratio: 3.26<br>AA 18pt <sup>2</sup> | Ratio: 1.05<br>Failed <sup>5</sup>                      | Ratio: 1.03<br>Failed <sup>5</sup>                      | Ratio: 6.16<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.34<br>Failed <sup>5</sup>                      |
| Hex(CC9E95) | Ratio: 3.26<br>AA 18pt <sup>2</sup>                     |                                     | Ratio: 3.11<br>AA 18pt <sup>2</sup>                     | Ratio: 3.35<br>AA 18pt <sup>2</sup>                     | Ratio: 1.89<br>Failed <sup>5</sup>                      | Ratio: 2.43<br>Failed <sup>5</sup>                      |
| Hex(9D1088) | Ratio: 1.05<br>Failed <sup>5</sup>                      | Ratio: 3.11<br>AA 18pt <sup>2</sup> |                                                         | Ratio: 1.08<br>Failed <sup>5</sup>                      | Ratio: 5.88<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.28<br>Failed <sup>5</sup>                      |
| Hex(664B45) | Ratio: 1.03<br>Failed <sup>5</sup>                      | Ratio: 3.35<br>AA 18pt <sup>2</sup> | Ratio: 1.08<br>Failed <sup>5</sup>                      |                                                         | Ratio: 6.33<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.38<br>Failed <sup>5</sup>                      |
| Hex(E6E6E6) | Ratio: 6.16<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 1.89<br>Failed <sup>5</sup>  | Ratio: 5.88<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 6.33<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                         | Ratio: 4.60<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(666666) | Ratio: 1.34<br>Failed <sup>5</sup>                      | Ratio: 2.43<br>Failed <sup>5</sup>  | Ratio: 1.28<br>Failed <sup>5</sup>                      | Ratio: 1.38<br>Failed <sup>5</sup>                      | Ratio: 4.60<br>AA <sup>1</sup><br>AAA 18pt <sup>4</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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