

# Converting Colors - WCAG Matrix

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

**Hex(757275) Hex(999499) Hex(727574) Hex(3B383B) Hex(7A007A) Hex(FA00FA)**

|             | Hex(757275)                        | Hex(999499)                         | Hex(727574)                        | Hex(3B383B)                         | Hex(7A007A)                         | Hex(FA00FA)                         |
|-------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Hex(757275) |                                    | Ratio: 1.60<br>Failed <sup>5</sup>  | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 2.44<br>Failed <sup>5</sup>  | Ratio: 2.10<br>Failed <sup>5</sup>  | Ratio: 1.46<br>Failed <sup>5</sup>  |
| Hex(999499) | Ratio: 1.60<br>Failed <sup>5</sup> |                                     | Ratio: 1.56<br>Failed <sup>5</sup> | Ratio: 3.88<br>AA 18pt <sup>2</sup> | Ratio: 3.34<br>AA 18pt <sup>2</sup> | Ratio: 1.09<br>Failed <sup>5</sup>  |
| Hex(727574) | Ratio: 1.02<br>Failed <sup>5</sup> | Ratio: 1.56<br>Failed <sup>5</sup>  |                                    | Ratio: 2.49<br>Failed <sup>5</sup>  | Ratio: 2.14<br>Failed <sup>5</sup>  | Ratio: 1.43<br>Failed <sup>5</sup>  |
| Hex(3B383B) | Ratio: 2.44<br>Failed <sup>5</sup> | Ratio: 3.88<br>AA 18pt <sup>2</sup> | Ratio: 2.49<br>Failed <sup>5</sup> |                                     | Ratio: 1.16<br>Failed <sup>5</sup>  | Ratio: 3.55<br>AA 18pt <sup>2</sup> |
| Hex(7A007A) | Ratio: 2.10<br>Failed <sup>5</sup> | Ratio: 3.34<br>AA 18pt <sup>2</sup> | Ratio: 2.14<br>Failed <sup>5</sup> | Ratio: 1.16<br>Failed <sup>5</sup>  |                                     | Ratio: 3.06<br>AA 18pt <sup>2</sup> |
| Hex(FA00FA) | Ratio: 1.46<br>Failed <sup>5</sup> | Ratio: 1.09<br>Failed <sup>5</sup>  | Ratio: 1.43<br>Failed <sup>5</sup> | Ratio: 3.55<br>AA 18pt <sup>2</sup> | Ratio: 3.06<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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