

# Converting Colors - WCAG Matrix

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

Hex(754362) Hex(99497B) Hex(754349) Hex(3B3538) Hex(7A004D) Hex(FA009D)

|             | Hex(754362)                        | Hex(99497B)                        | Hex(754349)                        | Hex(3B3538)                         | Hex(7A004D)                        | Hex(FA009D)                         |
|-------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Hex(754362) |                                    | Ratio: 1.31<br>Failed <sup>5</sup> | Ratio: 1.03<br>Failed <sup>5</sup> | Ratio: 1.56<br>Failed <sup>5</sup>  | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 2.03<br>Failed <sup>5</sup>  |
| Hex(99497B) | Ratio: 1.31<br>Failed <sup>5</sup> |                                    | Ratio: 1.35<br>Failed <sup>5</sup> | Ratio: 2.05<br>Failed <sup>5</sup>  | Ratio: 1.86<br>Failed <sup>5</sup> | Ratio: 1.54<br>Failed <sup>5</sup>  |
| Hex(754349) | Ratio: 1.03<br>Failed <sup>5</sup> | Ratio: 1.35<br>Failed <sup>5</sup> |                                    | Ratio: 1.52<br>Failed <sup>5</sup>  | Ratio: 1.37<br>Failed <sup>5</sup> | Ratio: 2.09<br>Failed <sup>5</sup>  |
| Hex(3B3538) | Ratio: 1.56<br>Failed <sup>5</sup> | Ratio: 2.05<br>Failed <sup>5</sup> | Ratio: 1.52<br>Failed <sup>5</sup> |                                     | Ratio: 1.10<br>Failed <sup>5</sup> | Ratio: 3.17<br>AA 18pt <sup>2</sup> |
| Hex(7A004D) | Ratio: 1.41<br>Failed <sup>5</sup> | Ratio: 1.86<br>Failed <sup>5</sup> | Ratio: 1.37<br>Failed <sup>5</sup> | Ratio: 1.10<br>Failed <sup>5</sup>  |                                    | Ratio: 2.87<br>Failed <sup>5</sup>  |
| Hex(FA009D) | Ratio: 2.03<br>Failed <sup>5</sup> | Ratio: 1.54<br>Failed <sup>5</sup> | Ratio: 2.09<br>Failed <sup>5</sup> | Ratio: 3.17<br>AA 18pt <sup>2</sup> | Ratio: 2.87<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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