

# Converting Colors - WCAG Matrix

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

Hex(E379C0) Hex(FF70D0) Hex(E3798C) Hex(73676F) Hex(B30078) Hex(330022)

|             | Hex(E379C0)                                             | Hex(FF70D0)                        | Hex(E3798C)                                             | Hex(73676F)                         | Hex(B30078)                        | Hex(330022)                                             |
|-------------|---------------------------------------------------------|------------------------------------|---------------------------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------|
| Hex(E379C0) |                                                         | Ratio: 1.09<br>Failed <sup>5</sup> | Ratio: 1.05<br>Failed <sup>5</sup>                      | Ratio: 1.99<br>Failed <sup>5</sup>  | Ratio: 2.43<br>Failed <sup>5</sup> | Ratio: 6.67<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(FF70D0) | Ratio: 1.09<br>Failed <sup>5</sup>                      |                                    | Ratio: 1.15<br>Failed <sup>5</sup>                      | Ratio: 2.18<br>Failed <sup>5</sup>  | Ratio: 2.66<br>Failed <sup>5</sup> | Ratio: 7.29<br>Passed <sup>6</sup>                      |
| Hex(E3798C) | Ratio: 1.05<br>Failed <sup>5</sup>                      | Ratio: 1.15<br>Failed <sup>5</sup> |                                                         | Ratio: 1.89<br>Failed <sup>5</sup>  | Ratio: 2.31<br>Failed <sup>5</sup> | Ratio: 6.34<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(73676F) | Ratio: 1.99<br>Failed <sup>5</sup>                      | Ratio: 2.18<br>Failed <sup>5</sup> | Ratio: 1.89<br>Failed <sup>5</sup>                      |                                     | Ratio: 1.22<br>Failed <sup>5</sup> | Ratio: 3.35<br>AA 18pt <sup>2</sup>                     |
| Hex(B30078) | Ratio: 2.43<br>Failed <sup>5</sup>                      | Ratio: 2.66<br>Failed <sup>5</sup> | Ratio: 2.31<br>Failed <sup>5</sup>                      | Ratio: 1.22<br>Failed <sup>5</sup>  |                                    | Ratio: 2.74<br>Failed <sup>5</sup>                      |
| Hex(330022) | Ratio: 6.67<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 7.29<br>Passed <sup>6</sup> | Ratio: 6.34<br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | Ratio: 3.35<br>AA 18pt <sup>2</sup> | Ratio: 2.74<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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