

# Converting Colors - WCAG Matrix

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

**Hex(75737C) Hex(9E9DA1) Hex(737A7C) Hex(505052) Hex(D1D1D1) Hex(525252)**

| Hex(75737C) |                                                     | <a href="#">Ratio: 1.73</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.07</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.72</a><br>Failed <sup>5</sup>                      | <a href="#">Ratio: 3.06</a><br>AA 18pt <sup>2</sup>                     | <a href="#">Ratio: 1.67</a><br>Failed <sup>5</sup>                      |
|-------------|-----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Hex(9E9DA1) | <a href="#">Ratio: 1.73</a><br>Failed <sup>5</sup>  |                                                    | <a href="#">Ratio: 1.62</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.98</a><br>Failed <sup>5</sup>                      | <a href="#">Ratio: 1.77</a><br>Failed <sup>5</sup>                      | <a href="#">Ratio: 2.90</a><br>Failed <sup>5</sup>                      |
| Hex(737A7C) | <a href="#">Ratio: 1.07</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 1.62</a><br>Failed <sup>5</sup> |                                                    | <a href="#">Ratio: 1.84</a><br>Failed <sup>5</sup>                      | <a href="#">Ratio: 2.86</a><br>Failed <sup>5</sup>                      | <a href="#">Ratio: 1.79</a><br>Failed <sup>5</sup>                      |
| Hex(505052) | <a href="#">Ratio: 1.72</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 2.98</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.84</a><br>Failed <sup>5</sup> |                                                                         | <a href="#">Ratio: 5.27</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> | <a href="#">Ratio: 1.03</a><br>Failed <sup>5</sup>                      |
| Hex(D1D1D1) | <a href="#">Ratio: 3.06</a><br>AA 18pt <sup>2</sup> | <a href="#">Ratio: 1.77</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 2.86</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 5.27</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |                                                                         | <a href="#">Ratio: 5.12</a><br>AA <sup>1</sup><br>AAA 18pt <sup>4</sup> |
| Hex(525252) | <a href="#">Ratio: 1.67</a><br>Failed <sup>5</sup>  | <a href="#">Ratio: 2.90</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.79</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.03</a><br>Failed <sup>5</sup>                      | <a href="#">Ratio: 5.12</a><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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