

# Converting Colors - WCAG Matrix

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

|             | Hex(26302F)  | Hex(2B3030)  | Hex(2F3030)  | Hex(343030)  | Hex(393031)  | Hex(3E3031)  | Hex(433032)  | Hex(473032)  | Hex(4C3033)  | Hex(513033)  |
|-------------|--|--|--|--|--|--|--|--|--|--|
| Hex(26302F) |  | <a href="#">Ratio: 1.01</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.03</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.06</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.08</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.10</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.12</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.15</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.18</a><br>Failed <sup>5</sup> |
| Hex(2B3030) | <a href="#">Ratio: 1.01</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 1.01</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.03</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.05</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.07</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.09</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.11</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.13</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.16</a><br>Failed <sup>5</sup> |
| Hex(2F3030) | <a href="#">Ratio: 1.03</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.01</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.03</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.05</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.08</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.09</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.12</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.15</a><br>Failed <sup>5</sup> |
| Hex(343030) | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.03</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.06</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.08</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.10</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.13</a><br>Failed <sup>5</sup> |
| Hex(393031) | <a href="#">Ratio: 1.06</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.05</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.03</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.06</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.08</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.11</a><br>Failed <sup>5</sup> |
| Hex(3E3031) | <a href="#">Ratio: 1.08</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.07</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.05</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.06</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.09</a><br>Failed <sup>5</sup> |
| Hex(433032) | <a href="#">Ratio: 1.10</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.09</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.08</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.06</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.07</a><br>Failed <sup>5</sup> |
| Hex(473032) | <a href="#">Ratio: 1.12</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.11</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.09</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.08</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.06</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.05</a><br>Failed <sup>5</sup> |
| Hex(4C3033) | <a href="#">Ratio: 1.15</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.13</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.12</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.10</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.08</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.06</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.04</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> |  | <a href="#">Ratio: 1.02</a><br>Failed <sup>5</sup> |
| Hex(513033) | <a href="#">Ratio: 1.18</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.16</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.15</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.13</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.11</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.09</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.07</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.05</a><br>Failed <sup>5</sup> | <a href="#">Ratio: 1.02</a><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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