

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(6E6148) Hex(8F8A81) Hex(6E4855) Hex(47443F) Hex(C7C7C7) Hex(474747)**

<b>Hex(6E6148)</b>		<a href="#">Ratio: 1.77</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.27</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.60</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.58</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.53</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(8F8A81)</b>	<a href="#">Ratio: 1.77</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 2.25</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.82</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.03</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.71</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(6E4855)</b>	<a href="#">Ratio: 1.27</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.25</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.26</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.57</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.20</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(47443F)</b>	<a href="#">Ratio: 1.60</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.82</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.26</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 5.73</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.04</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(C7C7C7)</b>	<a href="#">Ratio: 3.58</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 2.03</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.57</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 5.73</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>		<a href="#">Ratio: 5.50</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>
<b>Hex(474747)</b>	<a href="#">Ratio: 1.53</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.71</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.20</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.04</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 5.50</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	

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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