

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(6B6865) Hex(8C8B89) Hex(6B6568) Hex(474746) Hex(C7C7C7) Hex(474747)**

	Hex(6B6865)	Hex(8C8B89)	Hex(6B6568)	Hex(474746)	Hex(C7C7C7)	Hex(474747)
Hex(6B6865)		<a href="#">Ratio: 1.63</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.27</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.68</a> Failed <sup>5</sup>
Hex(8C8B89)	<a href="#">Ratio: 1.63</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.67</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.73</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.73</a> Failed <sup>5</sup>
Hex(6B6568)	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.67</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.63</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.37</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.63</a> Failed <sup>5</sup>
Hex(474746)	<a href="#">Ratio: 1.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.73</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.63</a> Failed <sup>5</sup>		<a href="#">Ratio: 5.50</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>
Hex(C7C7C7)	<a href="#">Ratio: 3.27</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.37</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 5.50</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>		<a href="#">Ratio: 5.50</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(474747)	<a href="#">Ratio: 1.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.73</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.63</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.50</a> AA <sup>1</sup> 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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