

# Converting Colors - WCAG Matrix

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

Hex(807B67) Hex(66634F) Hex(4E4B38) Hex(373423) Hex(221F0D) Hex(040700) Hex(FFFFFF)

	Hex(807B67)	Hex(66634F)	Hex(4E4B38)	Hex(373423)	Hex(221F0D)	Hex(040700)	Hex(FFFFFF)
Hex(807B67)		Ratio: <a href="#">1.43</a> Failed <sup>5</sup>	Ratio: <a href="#">2.07</a> Failed <sup>5</sup>	Ratio: <a href="#">2.95</a> Failed <sup>5</sup>	Ratio: <a href="#">3.90</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">4.78</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">4.25</a> AA 18pt <sup>2</sup>
Hex(66634F)	Ratio: <a href="#">1.43</a> Failed <sup>5</sup>		Ratio: <a href="#">1.45</a> Failed <sup>5</sup>	Ratio: <a href="#">2.06</a> Failed <sup>5</sup>	Ratio: <a href="#">2.73</a> Failed <sup>5</sup>	Ratio: <a href="#">3.34</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">6.06</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(4E4B38)	Ratio: <a href="#">2.07</a> Failed <sup>5</sup>	Ratio: <a href="#">1.45</a> Failed <sup>5</sup>		Ratio: <a href="#">1.42</a> Failed <sup>5</sup>	Ratio: <a href="#">1.88</a> Failed <sup>5</sup>	Ratio: <a href="#">2.31</a> Failed <sup>5</sup>	Ratio: <a href="#">8.80</a> Passed <sup>6</sup>
Hex(373423)	Ratio: <a href="#">2.95</a> Failed <sup>5</sup>	Ratio: <a href="#">2.06</a> Failed <sup>5</sup>	Ratio: <a href="#">1.42</a> Failed <sup>5</sup>		Ratio: <a href="#">1.32</a> Failed <sup>5</sup>	Ratio: <a href="#">1.62</a> Failed <sup>5</sup>	Ratio: <a href="#">12.51</a> Passed <sup>6</sup>
Hex(221F0D)	Ratio: <a href="#">3.90</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.73</a> Failed <sup>5</sup>	Ratio: <a href="#">1.88</a> Failed <sup>5</sup>	Ratio: <a href="#">1.32</a> Failed <sup>5</sup>		Ratio: <a href="#">1.23</a> Failed <sup>5</sup>	Ratio: <a href="#">16.54</a> Passed <sup>6</sup>
Hex(040700)	Ratio: <a href="#">4.78</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">3.34</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.31</a> Failed <sup>5</sup>	Ratio: <a href="#">1.62</a> Failed <sup>5</sup>	Ratio: <a href="#">1.23</a> Failed <sup>5</sup>		Ratio: <a href="#">20.28</a> Passed <sup>6</sup>
Hex(FFFFFF)	Ratio: <a href="#">4.25</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">6.06</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">8.80</a> Passed <sup>6</sup>	Ratio: <a href="#">12.51</a> Passed <sup>6</sup>	Ratio: <a href="#">16.54</a> Passed <sup>6</sup>	Ratio: <a href="#">20.28</a> Passed <sup>6</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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