

# Converting Colors - WCAG Matrix

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

Hex(907E8E) Hex(BA9EB7) Hex(90897E) Hex(474047) Hex(870077) Hex(080007)

	Hex(907E8E)	Hex(BA9EB7)	Hex(90897E)	Hex(474047)	Hex(870077)	Hex(080007)
Hex(907E8E)		Ratio: <a href="#">1.56</a> Failed <sup>5</sup>	Ratio: <a href="#">1.09</a> Failed <sup>5</sup>	Ratio: <a href="#">2.66</a> Failed <sup>5</sup>	Ratio: <a href="#">2.42</a> Failed <sup>5</sup>	Ratio: <a href="#">5.49</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(BA9EB7)	Ratio: <a href="#">1.56</a> Failed <sup>5</sup>		Ratio: <a href="#">1.43</a> Failed <sup>5</sup>	Ratio: <a href="#">4.14</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">3.77</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">8.55</a> Passed <sup>6</sup>
Hex(90897E)	Ratio: <a href="#">1.09</a> Failed <sup>5</sup>	Ratio: <a href="#">1.43</a> Failed <sup>5</sup>		Ratio: <a href="#">2.90</a> Failed <sup>5</sup>	Ratio: <a href="#">2.64</a> Failed <sup>5</sup>	Ratio: <a href="#">5.99</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(474047)	Ratio: <a href="#">2.66</a> Failed <sup>5</sup>	Ratio: <a href="#">4.14</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.90</a> Failed <sup>5</sup>		Ratio: <a href="#">1.10</a> Failed <sup>5</sup>	Ratio: <a href="#">2.06</a> Failed <sup>5</sup>
Hex(870077)	Ratio: <a href="#">2.42</a> Failed <sup>5</sup>	Ratio: <a href="#">3.77</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.64</a> Failed <sup>5</sup>	Ratio: <a href="#">1.10</a> Failed <sup>5</sup>		Ratio: <a href="#">2.27</a> Failed <sup>5</sup>
Hex(080007)	Ratio: <a href="#">5.49</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">8.55</a> Passed <sup>6</sup>	Ratio: <a href="#">5.99</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">2.06</a> Failed <sup>5</sup>	Ratio: <a href="#">2.27</a> 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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