

# Converting Colors - WCAG Matrix

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

Hex(81464C) Hex(813941) Hex(812C35) Hex(811F2A) Hex(81121E) Hex(810612) Hex(81000E)

	Hex(81464C)	Hex(813941)	Hex(812C35)	Hex(811F2A)	Hex(81121E)	Hex(810612)	Hex(81000E)
Hex(81464C)		<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.24</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.35</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.43</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.48</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>
Hex(813941)	<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.20</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.32</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.34</a> Failed <sup>5</sup>
Hex(812C35)	<a href="#">Ratio: 1.24</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.08</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.21</a> Failed <sup>5</sup>
Hex(811F2A)	<a href="#">Ratio: 1.35</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.20</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.08</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>
Hex(81121E)	<a href="#">Ratio: 1.43</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.04</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>
Hex(810612)	<a href="#">Ratio: 1.48</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.32</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.04</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>
Hex(81000E)	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.34</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.21</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</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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