

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(A1006D) Hex(D1008E) Hex(A18300) Hex(52494F) Hex(910063) Hex(12000C)**

<b>Hex(A1006D)</b>		<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.65</a> Failed <sup>5</sup>
<b>Hex(D1008E)</b>	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.69</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.72</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.98</a> AA 18pt <sup>2</sup>
<b>Hex(A18300)</b>	<a href="#">Ratio: 2.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.38</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.42</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.59</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(52494F)</b>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.69</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.38</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.35</a> Failed <sup>5</sup>
<b>Hex(910063)</b>	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.72</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.42</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.31</a> Failed <sup>5</sup>
<b>Hex(12000C)</b>	<a href="#">Ratio: 2.65</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.98</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 5.59</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 2.35</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.31</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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