

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(640109) Hex(82000B) Hex(3B6401) Hex(332E2E) Hex(730009) Hex(F20014)**

	Hex(640109)	Hex(82000B)	Hex(3B6401)	Hex(332E2E)	Hex(730009)	Hex(F20014)
Hex(640109)		<a href="#">Ratio: 1.26</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.94</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.09</a> AA 18pt <sup>2</sup>
Hex(82000B)	<a href="#">Ratio: 1.26</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.54</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.24</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.45</a> Failed <sup>5</sup>
Hex(3B6401)	<a href="#">Ratio: 1.94</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.54</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.92</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.74</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.59</a> Failed <sup>5</sup>
Hex(332E2E)	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.24</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.92</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.05</a> AA 18pt <sup>2</sup>
Hex(730009)	<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.74</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.76</a> Failed <sup>5</sup>
Hex(F20014)	<a href="#">Ratio: 3.09</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.45</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.59</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.05</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.76</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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