

# Converting Colors - WCAG Matrix

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

**Hex(4A2A4A) Hex(331433) Hex(1F001E) Hex(000001) Hex(000000)**

	Hex(4A2A4A)	Hex(331433)	Hex(1F001E)	Hex(000001)	Hex(000000)
Hex(4A2A4A)		<a href="#">Ratio: 1.34</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.60</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.72</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.72</a> <a href="#">Failed<sup>5</sup></a>
Hex(331433)	<a href="#">Ratio: 1.34</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.20</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.29</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.29</a> <a href="#">Failed<sup>5</sup></a>
Hex(1F001E)	<a href="#">Ratio: 1.60</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.20</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.08</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.08</a> <a href="#">Failed<sup>5</sup></a>
Hex(000001)	<a href="#">Ratio: 1.72</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.29</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.08</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.00</a> <a href="#">Failed<sup>5</sup></a>
Hex(000000)	<a href="#">Ratio: 1.72</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.29</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.08</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.00</a> <a href="#">Failed<sup>5</sup></a>	

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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