

# Converting Colors - WCAG Matrix

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

**Hex(9B9B9B) Hex(C9C9C9) Hex(4D4D4D) Hex(8C0086) Hex(0D000C)**

	Hex(9B9B9B)	Hex(C9C9C9)	Hex(4D4D4D)	Hex(8C0086)	Hex(0D000C)
Hex(9B9B9B)		<a href="#">Ratio: 1.68</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.04</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 3.07</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 7.39</a> <a href="#">Passed</a> <sup>6</sup>
Hex(C9C9C9)	<a href="#">Ratio: 1.68</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 5.10</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 5.16</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 12.40</a> <a href="#">Passed</a> <sup>6</sup>
Hex(4D4D4D)	<a href="#">Ratio: 3.04</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 5.10</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>		<a href="#">Ratio: 1.01</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.43</a> <a href="#">Failed</a> <sup>5</sup>
Hex(8C0086)	<a href="#">Ratio: 3.07</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 5.16</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 1.01</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 2.41</a> <a href="#">Failed</a> <sup>5</sup>
Hex(0D000C)	<a href="#">Ratio: 7.39</a> <a href="#">Passed</a> <sup>6</sup>	<a href="#">Ratio: 12.40</a> <a href="#">Passed</a> <sup>6</sup>	<a href="#">Ratio: 2.43</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.41</a> <a href="#">Failed</a> <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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