

# Converting Colors - WCAG Matrix

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

**Hex(B64980) Hex(ED4299) Hex(4BB649) Hex(5C5357) Hex(9C004E) Hex(1C000E)**

	Hex(B64980)	Hex(ED4299)	Hex(4BB649)	Hex(5C5357)	Hex(9C004E)	Hex(1C000E)
Hex(B64980)		<a href="#">Ratio: 1.37</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.90</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.69</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.03</a> AA 18pt <sup>2</sup>
Hex(ED4299)	<a href="#">Ratio: 1.37</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.38</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.31</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.53</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(4BB649)	<a href="#">Ratio: 1.90</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.38</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.86</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.20</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 7.66</a> Passed <sup>6</sup>
Hex(5C5357)	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.86</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.68</a> Failed <sup>5</sup>
Hex(9C004E)	<a href="#">Ratio: 1.69</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.31</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.20</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.39</a> Failed <sup>5</sup>
Hex(1C000E)	<a href="#">Ratio: 4.03</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 5.53</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 7.66</a> Passed <sup>6</sup>	<a href="#">Ratio: 2.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.39</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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