

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(827F9D) Hex(C1C0CC) Hex(7F9A9D) Hex(605F66) Hex(E6E6E6) Hex(666666)**

	Hex(827F9D)	Hex(C1C0CC)	Hex(7F9A9D)	Hex(605F66)	Hex(E6E6E6)	Hex(666666)
Hex(827F9D)		<a href="#">Ratio: 2.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.28</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.65</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.08</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>
Hex(C1C0CC)	<a href="#">Ratio: 2.13</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.67</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.51</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.44</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.19</a> AA 18pt <sup>2</sup>
Hex(7F9A9D)	<a href="#">Ratio: 1.28</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.67</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.92</a> Failed <sup>5</sup>
Hex(605F66)	<a href="#">Ratio: 1.65</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.51</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.11</a> Failed <sup>5</sup>		<a href="#">Ratio: 5.06</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>
Hex(E6E6E6)	<a href="#">Ratio: 3.08</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.44</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.06</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>		<a href="#">Ratio: 4.60</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(666666)	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.19</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.92</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.60</a> AA <sup>1</sup> AAA 18pt <sup>4</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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