

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(2D8B87) Hex(22B5AF) Hex(2D618B) Hex(3E4545) Hex(00857F) Hex(000505)**

<b>Hex(2D8B87)</b>		<a href="#">Ratio: 1.61</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.61</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.41</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.03</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(22B5AF)</b>	<a href="#">Ratio: 1.61</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.60</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.87</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.78</a> Failed <sup>5</sup>	<a href="#">Ratio: 8.10</a> Passed <sup>6</sup>
<b>Hex(2D618B)</b>	<a href="#">Ratio: 1.61</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.60</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.49</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.12</a> AA 18pt <sup>2</sup>
<b>Hex(3E4545)</b>	<a href="#">Ratio: 2.41</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.87</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.49</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.09</a> Failed <sup>5</sup>
<b>Hex(00857F)</b>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.78</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.18</a> Failed <sup>5</sup>		<a href="#">Ratio: 4.55</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(000505)</b>	<a href="#">Ratio: 5.03</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 8.10</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.12</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.09</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.55</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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