

# Converting Colors - WCAG Matrix

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

Hex(2B8F81) Hex(007568) Hex(005C50) Hex(004439) Hex(002D24) Hex(00160E) Hex(000000)

	Hex(2B8F81)	Hex(007568)	Hex(005C50)	Hex(004439)	Hex(002D24)	Hex(00160E)	Hex(000000)
Hex(2B8F81)		Ratio: <a href="#">1.43</a> Failed <sup>5</sup>	Ratio: <a href="#">2.02</a> Failed <sup>5</sup>	Ratio: <a href="#">2.84</a> Failed <sup>5</sup>	Ratio: <a href="#">3.82</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">4.77</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">5.35</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(007568)	Ratio: <a href="#">1.43</a> Failed <sup>5</sup>		Ratio: <a href="#">1.41</a> Failed <sup>5</sup>	Ratio: <a href="#">1.99</a> Failed <sup>5</sup>	Ratio: <a href="#">2.67</a> Failed <sup>5</sup>	Ratio: <a href="#">3.34</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">3.74</a> AA 18pt <sup>2</sup>
Hex(005C50)	Ratio: <a href="#">2.02</a> Failed <sup>5</sup>	Ratio: <a href="#">1.41</a> Failed <sup>5</sup>		Ratio: <a href="#">1.40</a> Failed <sup>5</sup>	Ratio: <a href="#">1.89</a> Failed <sup>5</sup>	Ratio: <a href="#">2.36</a> Failed <sup>5</sup>	Ratio: <a href="#">2.65</a> Failed <sup>5</sup>
Hex(004439)	Ratio: <a href="#">2.84</a> Failed <sup>5</sup>	Ratio: <a href="#">1.99</a> Failed <sup>5</sup>	Ratio: <a href="#">1.40</a> Failed <sup>5</sup>		Ratio: <a href="#">1.35</a> Failed <sup>5</sup>	Ratio: <a href="#">1.68</a> Failed <sup>5</sup>	Ratio: <a href="#">1.89</a> Failed <sup>5</sup>
Hex(002D24)	Ratio: <a href="#">3.82</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.67</a> Failed <sup>5</sup>	Ratio: <a href="#">1.89</a> Failed <sup>5</sup>	Ratio: <a href="#">1.35</a> Failed <sup>5</sup>		Ratio: <a href="#">1.25</a> Failed <sup>5</sup>	Ratio: <a href="#">1.40</a> Failed <sup>5</sup>
Hex(00160E)	Ratio: <a href="#">4.77</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">3.34</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.36</a> Failed <sup>5</sup>	Ratio: <a href="#">1.68</a> Failed <sup>5</sup>	Ratio: <a href="#">1.25</a> Failed <sup>5</sup>		Ratio: <a href="#">1.12</a> Failed <sup>5</sup>
Hex(000000)	Ratio: <a href="#">5.35</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">3.74</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.65</a> Failed <sup>5</sup>	Ratio: <a href="#">1.89</a> Failed <sup>5</sup>	Ratio: <a href="#">1.40</a> Failed <sup>5</sup>	Ratio: <a href="#">1.12</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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