

# Converting Colors - WCAG Matrix

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

Hex(48688C) Hex(2E5073) Hex(10395A) Hex(002442) Hex(000E2C) Hex(000117) Hex(000000)

	Hex(48688C)	Hex(2E5073)	Hex(10395A)	Hex(002442)	Hex(000E2C)	Hex(000117)	Hex(000000)
Hex(48688C)		Ratio: <a href="#">1.45</a> Failed <sup>5</sup>	Ratio: <a href="#">2.07</a> Failed <sup>5</sup>	Ratio: <a href="#">2.73</a> Failed <sup>5</sup>	Ratio: <a href="#">3.31</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">3.57</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">3.63</a> AA 18pt <sup>2</sup>
Hex(2E5073)	Ratio: <a href="#">1.45</a> Failed <sup>5</sup>		Ratio: <a href="#">1.43</a> Failed <sup>5</sup>	Ratio: <a href="#">1.89</a> Failed <sup>5</sup>	Ratio: <a href="#">2.28</a> Failed <sup>5</sup>	Ratio: <a href="#">2.47</a> Failed <sup>5</sup>	Ratio: <a href="#">2.51</a> Failed <sup>5</sup>
Hex(10395A)	Ratio: <a href="#">2.07</a> Failed <sup>5</sup>	Ratio: <a href="#">1.43</a> Failed <sup>5</sup>		Ratio: <a href="#">1.32</a> Failed <sup>5</sup>	Ratio: <a href="#">1.60</a> Failed <sup>5</sup>	Ratio: <a href="#">1.73</a> Failed <sup>5</sup>	Ratio: <a href="#">1.75</a> Failed <sup>5</sup>
Hex(002442)	Ratio: <a href="#">2.73</a> Failed <sup>5</sup>	Ratio: <a href="#">1.89</a> Failed <sup>5</sup>	Ratio: <a href="#">1.32</a> Failed <sup>5</sup>		Ratio: <a href="#">1.21</a> Failed <sup>5</sup>	Ratio: <a href="#">1.31</a> Failed <sup>5</sup>	Ratio: <a href="#">1.33</a> Failed <sup>5</sup>
Hex(000E2C)	Ratio: <a href="#">3.31</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.28</a> Failed <sup>5</sup>	Ratio: <a href="#">1.60</a> Failed <sup>5</sup>	Ratio: <a href="#">1.21</a> Failed <sup>5</sup>		Ratio: <a href="#">1.08</a> Failed <sup>5</sup>	Ratio: <a href="#">1.10</a> Failed <sup>5</sup>
Hex(000117)	Ratio: <a href="#">3.57</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.47</a> Failed <sup>5</sup>	Ratio: <a href="#">1.73</a> Failed <sup>5</sup>	Ratio: <a href="#">1.31</a> Failed <sup>5</sup>	Ratio: <a href="#">1.08</a> Failed <sup>5</sup>		Ratio: <a href="#">1.02</a> Failed <sup>5</sup>
Hex(000000)	Ratio: <a href="#">3.63</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.51</a> Failed <sup>5</sup>	Ratio: <a href="#">1.75</a> Failed <sup>5</sup>	Ratio: <a href="#">1.33</a> Failed <sup>5</sup>	Ratio: <a href="#">1.10</a> Failed <sup>5</sup>	Ratio: <a href="#">1.02</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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