

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(AADEE4) Hex(EBFDFF) Hex(AAE4AF) Hex(737E80) Hex(000000) Hex(808080)**

	Hex(AADEE4)	Hex(EBFDFF)	Hex(AAE4AF)	Hex(737E80)	Hex(000000)	Hex(808080)
Hex(AADEE4)		<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.84</a> Failed <sup>5</sup>	<a href="#">Ratio: 14.28</a> Passed <sup>6</sup>	<a href="#">Ratio: 2.69</a> Failed <sup>5</sup>
Hex(EBFDFF)	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.39</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.99</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 20.03</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.77</a> AA 18pt <sup>2</sup>
Hex(AAE4AF)	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.39</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.87</a> Failed <sup>5</sup>	<a href="#">Ratio: 14.43</a> Passed <sup>6</sup>	<a href="#">Ratio: 2.71</a> Failed <sup>5</sup>
Hex(737E80)	<a href="#">Ratio: 2.84</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.99</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.87</a> Failed <sup>5</sup>		<a href="#">Ratio: 5.03</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>
Hex(000000)	<a href="#">Ratio: 14.28</a> Passed <sup>6</sup>	<a href="#">Ratio: 20.03</a> Passed <sup>6</sup>	<a href="#">Ratio: 14.43</a> Passed <sup>6</sup>	<a href="#">Ratio: 5.03</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>		<a href="#">Ratio: 5.32</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(808080)	<a href="#">Ratio: 2.69</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.77</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.71</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.32</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.