

# Converting Colors - WCAG Matrix

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

**Hex(CFCFCE) Hex(FFFFFF) Hex(CFCECE) Hex(808080) Hex(000000)**

	Hex(CFCFCE)	Hex(FFFFFF)	Hex(CFCECE)	Hex(808080)	Hex(000000)
Hex(CFCFCE)	<a href="#">Ratio: 1.56</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.53</a> Failed <sup>5</sup>	<a href="#">Ratio: 13.47</a> Passed <sup>6</sup>	
Hex(FFFFFF)	<a href="#">Ratio: 1.56</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.57</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.95</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 21.00</a> Passed <sup>6</sup>	
Hex(CFCECE)	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.57</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.52</a> Failed <sup>5</sup>	<a href="#">Ratio: 13.37</a> Passed <sup>6</sup>	
Hex(808080)	<a href="#">Ratio: 2.53</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.95</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.52</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.32</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	
Hex(000000)	<a href="#">Ratio: 13.47</a> Passed <sup>6</sup>	<a href="#">Ratio: 21.00</a> Passed <sup>6</sup>	<a href="#">Ratio: 13.37</a> Passed <sup>6</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.

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