

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(3AB2C1) Hex(C5F4FA) Hex(3AC147) Hex(5E797D) Hex(FCFCFC) Hex(7D7D7D)**

	Hex(3AB2C1)	Hex(C5F4FA)	Hex(3AC147)	Hex(5E797D)	Hex(FCFCFC)	Hex(7D7D7D)
Hex(3AB2C1)		<a href="#">Ratio: 2.13</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.07</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.85</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.46</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.63</a> <a href="#">Failed</a> <sup>5</sup>
Hex(C5F4FA)	<a href="#">Ratio: 2.13</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.99</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.93</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 1.16</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.47</a> <a href="#">AA 18pt</a> <sup>2</sup>
Hex(3AC147)	<a href="#">Ratio: 1.07</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.99</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.97</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.30</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.74</a> <a href="#">Failed</a> <sup>5</sup>
Hex(5E797D)	<a href="#">Ratio: 1.85</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.93</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 1.97</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 4.54</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 1.13</a> <a href="#">Failed</a> <sup>5</sup>
Hex(FCFCFC)	<a href="#">Ratio: 2.46</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.16</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.30</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.54</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>		<a href="#">Ratio: 4.01</a> <a href="#">AA 18pt</a> <sup>2</sup>
Hex(7D7D7D)	<a href="#">Ratio: 1.63</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.47</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 1.74</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.13</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 4.01</a> <a href="#">AA 18pt</a> <sup>2</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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