

# Converting Colors - WCAG Matrix

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

**Hex(B48FB3) Hex(EBB2EA) Hex(B4A28F) Hex(595059) Hex(990097) Hex(1A0019)**

	Hex(B48FB3)	Hex(EBB2EA)	Hex(B4A28F)	Hex(595059)	Hex(990097)	Hex(1A0019)
Hex(B48FB3)		<a href="#">Ratio: 1.61</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.77</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 7.11</a> Passed <sup>6</sup>
Hex(EBB2EA)	<a href="#">Ratio: 1.61</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.42</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.45</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 4.32</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 11.43</a> Passed <sup>6</sup>
Hex(B4A28F)	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.42</a> Failed <sup>5</sup>		<a href="#">Ratio: 3.13</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.04</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 8.04</a> Passed <sup>6</sup>
Hex(595059)	<a href="#">Ratio: 2.77</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.45</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.13</a> AA 18pt <sup>2</sup>		<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.57</a> Failed <sup>5</sup>
Hex(990097)	<a href="#">Ratio: 2.68</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.32</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.04</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.65</a> Failed <sup>5</sup>
Hex(1A0019)	<a href="#">Ratio: 7.11</a> Passed <sup>6</sup>	<a href="#">Ratio: 11.43</a> Passed <sup>6</sup>	<a href="#">Ratio: 8.04</a> Passed <sup>6</sup>	<a href="#">Ratio: 2.57</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.65</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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