

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(4F578B) Hex(5763B5) Hex(644F8B) Hex(3E3F45) Hex(001285) Hex(000105)**

	Hex(4F578B)	Hex(5763B5)	Hex(644F8B)	Hex(3E3F45)	Hex(001285)	Hex(000105)
Hex(4F578B)		<a href="#">Ratio: 1.26</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.53</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.05</a> AA 18pt <sup>2</sup>
Hex(5763B5)	<a href="#">Ratio: 1.26</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.93</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.71</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.83</a> AA 18pt <sup>2</sup>
Hex(644F8B)	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.27</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.52</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.01</a> AA 18pt <sup>2</sup>
Hex(3E3F45)	<a href="#">Ratio: 1.53</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.93</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.52</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.99</a> Failed <sup>5</sup>
Hex(001285)	<a href="#">Ratio: 2.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.71</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.40</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.42</a> Failed <sup>5</sup>
Hex(000105)	<a href="#">Ratio: 3.05</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.83</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.01</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.99</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.42</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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