

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(EB47A4) Hex(FF29A2) Hex(EBDD47) Hex(756A70) Hex(B50067) Hex(36001E)**

	Hex(EB47A4)	Hex(FF29A2)	Hex(EBDD47)	Hex(756A70)	Hex(B50067)	Hex(36001E)
Hex(EB47A4)		<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.51</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.47</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.89</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.08</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(FF29A2)	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.93</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.18</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(EBDD47)	<a href="#">Ratio: 2.51</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.46</a> Failed <sup>5</sup>		<a href="#">Ratio: 3.69</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 4.74</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 12.73</a> Passed <sup>6</sup>
Hex(756A70)	<a href="#">Ratio: 1.47</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.50</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.69</a> AA 18pt <sup>2</sup>		<a href="#">Ratio: 1.28</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.45</a> AA 18pt <sup>2</sup>
Hex(B50067)	<a href="#">Ratio: 1.89</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.93</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.74</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 1.28</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.69</a> Failed <sup>5</sup>
Hex(36001E)	<a href="#">Ratio: 5.08</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 5.18</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 12.73</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.45</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.69</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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