

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(EE6BE3) Hex(FF57F1) Hex(EEB76B) Hex(786C77) Hex(B800A8) Hex(380033)**

<b>Hex(EE6BE3)</b>		<a href="#">Ratio: 1.00</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.48</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.86</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.18</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 6.45</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
<b>Hex(FF57F1)</b>	<a href="#">Ratio: 1.00</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.47</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.87</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.19</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 6.48</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
<b>Hex(EEB76B)</b>	<a href="#">Ratio: 1.48</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.47</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 2.76</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.22</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 9.56</a> <a href="#">Passed</a> <sup>6</sup>
<b>Hex(786C77)</b>	<a href="#">Ratio: 1.86</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.87</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.76</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 1.17</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.46</a> <a href="#">AA 18pt</a> <sup>2</sup>
<b>Hex(B800A8)</b>	<a href="#">Ratio: 2.18</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.19</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.22</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 1.17</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 2.96</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(380033)</b>	<a href="#">Ratio: 6.45</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 6.48</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 9.56</a> <a href="#">Passed</a> <sup>6</sup>	<a href="#">Ratio: 3.46</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 2.96</a> <a href="#">Failed</a> <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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