

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(EA5680) Hex(FF3D74) Hex(EA7656) Hex(756A6D) Hex(B50033) Hex(36000F)**

<b>Hex(EA5680)</b>		<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.52</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.04</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.28</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(FF3D74)</b>	<a href="#">Ratio: 1.00</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.17</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.53</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 5.30</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(EA7656)</b>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.17</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.79</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 6.21</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
<b>Hex(756A6D)</b>	<a href="#">Ratio: 1.52</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.53</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.79</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.34</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.47</a> AA 18pt <sup>2</sup>
<b>Hex(B50033)</b>	<a href="#">Ratio: 2.04</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.40</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.34</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.59</a> Failed <sup>5</sup>
<b>Hex(36000F)</b>	<a href="#">Ratio: 5.28</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 5.30</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 6.21</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 3.47</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.59</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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