

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(7C45A2) Hex(7635A2) Hex(6F25A2) Hex(6914A2) Hex(6204A2) Hex(6100A2)**

	Hex(7C45A2)	Hex(7635A2)	Hex(6F25A2)	Hex(6914A2)	Hex(6204A2)	Hex(6100A2)
Hex(7C45A2)		<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.31</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.45</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.57</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.59</a> Failed <sup>5</sup>
Hex(7635A2)	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.14</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.26</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.38</a> Failed <sup>5</sup>
Hex(6F25A2)	<a href="#">Ratio: 1.31</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.14</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.20</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.21</a> Failed <sup>5</sup>
Hex(6914A2)	<a href="#">Ratio: 1.45</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.26</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.08</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.09</a> Failed <sup>5</sup>
Hex(6204A2)	<a href="#">Ratio: 1.57</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.20</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.08</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>
Hex(6100A2)	<a href="#">Ratio: 1.59</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.38</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.21</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.09</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</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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