

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(7D225D) Hex(A37F97) Hex(42227D) Hex(523C4A) Hex(D1D1D1) Hex(525252)**

<b>Hex(7D225D)</b>		<a href="#">Ratio: 2.67</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.29</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.07</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 6.09</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 1.19</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(A37F97)</b>	<a href="#">Ratio: 2.67</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 3.44</a> <a href="#">AA 18pt</a> <sup>2</sup>	<a href="#">Ratio: 2.87</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.28</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.25</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(42227D)</b>	<a href="#">Ratio: 1.29</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 3.44</a> <a href="#">AA 18pt</a> <sup>2</sup>		<a href="#">Ratio: 1.20</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 7.83</a> <a href="#">Passed</a> <sup>6</sup>	<a href="#">Ratio: 1.53</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(523C4A)</b>	<a href="#">Ratio: 1.07</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.87</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.20</a> <a href="#">Failed</a> <sup>5</sup>		<a href="#">Ratio: 6.54</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 1.28</a> <a href="#">Failed</a> <sup>5</sup>
<b>Hex(D1D1D1)</b>	<a href="#">Ratio: 6.09</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>	<a href="#">Ratio: 2.28</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 7.83</a> <a href="#">Passed</a> <sup>6</sup>	<a href="#">Ratio: 6.54</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>		<a href="#">Ratio: 5.12</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</sup>
<b>Hex(525252)</b>	<a href="#">Ratio: 1.19</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 2.25</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.53</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 1.28</a> <a href="#">Failed</a> <sup>5</sup>	<a href="#">Ratio: 5.12</a> <a href="#">AA</a> <sup>1</sup> <a href="#">AAA 18pt</a> <sup>4</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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