

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(0D4142) Hex(425657) Hex(0D420E) Hex(1F2B2B) Hex(ABABAB) Hex(2B2B2B)**

<b>Hex(0D4142)</b>		<a href="#">Ratio: 1.46</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.03</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.29</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 4.94</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.25</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(425657)</b>	<a href="#">Ratio: 1.46</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.50</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.88</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.39</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.82</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(0D420E)</b>	<a href="#">Ratio: 1.03</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.50</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.25</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 5.07</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.22</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(1F2B2B)</b>	<a href="#">Ratio: 1.29</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.88</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.25</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 6.36</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.03</a> <a href="#">Failed<sup>5</sup></a>
<b>Hex(ABABAB)</b>	<a href="#">Ratio: 4.94</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 3.39</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 5.07</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 6.36</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>		<a href="#">Ratio: 6.17</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>
<b>Hex(2B2B2B)</b>	<a href="#">Ratio: 1.25</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.82</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.22</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.03</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 6.17</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	

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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