

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.  
**Hex(DC2148) Hex(FF0035) Hex(21DC56) Hex(6E6365) Hex(AD0024) Hex(2E000A)**

	Hex(DC2148)	Hex(FF0035)	Hex(21DC56)	Hex(6E6365)	Hex(AD0024)	Hex(2E000A)
Hex(DC2148)		<a href="#">Ratio: 1.22</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.63</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.20</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.55</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.89</a> AA 18pt <sup>2</sup>
Hex(FF0035)	<a href="#">Ratio: 1.22</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.89</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.73</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(21DC56)	<a href="#">Ratio: 2.63</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.16</a> Failed <sup>5</sup>		<a href="#">Ratio: 3.15</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 4.08</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 10.21</a> Passed <sup>6</sup>
Hex(6E6365)	<a href="#">Ratio: 1.20</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.46</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.15</a> AA 18pt <sup>2</sup>		<a href="#">Ratio: 1.30</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.24</a> AA 18pt <sup>2</sup>
Hex(AD0024)	<a href="#">Ratio: 1.55</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.89</a> Failed <sup>5</sup>	<a href="#">Ratio: 4.08</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.30</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.50</a> Failed <sup>5</sup>
Hex(2E000A)	<a href="#">Ratio: 3.89</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 4.73</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	<a href="#">Ratio: 10.21</a> Passed <sup>6</sup>	<a href="#">Ratio: 3.24</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 2.50</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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