

# Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

**Hex(6B6B6B) Hex(8A8A8A) Hex(363636) Hex(630075) Hex(CE00F5)**

	Hex(6B6B6B)	Hex(8A8A8A)	Hex(363636)	Hex(630075)	Hex(CE00F5)
Hex(6B6B6B)		<a href="#">Ratio: 1.54</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.20</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>
Hex(8A8A8A)	<a href="#">Ratio: 1.54</a> Failed <sup>5</sup>		<a href="#">Ratio: 3.50</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 3.40</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.23</a> Failed <sup>5</sup>
Hex(363636)	<a href="#">Ratio: 2.27</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.50</a> AA 18pt <sup>2</sup>		<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.84</a> Failed <sup>5</sup>
Hex(630075)	<a href="#">Ratio: 2.20</a> Failed <sup>5</sup>	<a href="#">Ratio: 3.40</a> AA 18pt <sup>2</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>		<a href="#">Ratio: 2.77</a> Failed <sup>5</sup>
Hex(CE00F5)	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.23</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.84</a> Failed <sup>5</sup>	<a href="#">Ratio: 2.77</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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