

# Converting Colors - WCAG Matrix

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

**Hex(6B6B70) Hex(FFFFFF) Hex(9E9FA4) Hex(B9B9BF) Hex(D4D5DB) Hex(F1F1F7)**

	Hex(6B6B70)	Hex(FFFFFF)	Hex(9E9FA4)	Hex(B9B9BF)	Hex(D4D5DB)	Hex(F1F1F7)
Hex(6B6B70)		<a href="#">Ratio: 5.30</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 2.01</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.71</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.62</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 4.71</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>
Hex(FFFFFF)	<a href="#">Ratio: 5.30</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>		<a href="#">Ratio: 2.64</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.95</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.46</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.13</a> <a href="#">Failed<sup>5</sup></a>
Hex(9E9FA4)	<a href="#">Ratio: 2.01</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.64</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.35</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.80</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.35</a> <a href="#">Failed<sup>5</sup></a>
Hex(B9B9BF)	<a href="#">Ratio: 2.71</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.95</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.35</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.33</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.74</a> <a href="#">Failed<sup>5</sup></a>
Hex(D4D5DB)	<a href="#">Ratio: 3.62</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.46</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.80</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.33</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.30</a> <a href="#">Failed<sup>5</sup></a>
Hex(F1F1F7)	<a href="#">Ratio: 4.71</a> <a href="#">AA<sup>1</sup></a> <a href="#">AAA 18pt<sup>4</sup></a>	<a href="#">Ratio: 1.13</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.35</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.74</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.30</a> <a href="#">Failed<sup>5</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

Failed 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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