

# Converting Colors - WCAG Matrix

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

**Hex(9F66FF) Hex(AF80FF) Hex(BF99FF) Hex(CFB3FF) Hex(DFCCFF) Hex(EFE6FF) Hex(FFFFFF)**

	Hex(9F66FF)	Hex(AF80FF)	Hex(BF99FF)	Hex(CFB3FF)	Hex(DFCCFF)	Hex(EFE6FF)	Hex(FFFFFF)
Hex(9F66FF)		Ratio: <a href="#">1.26</a> Failed <sup>5</sup>	Ratio: <a href="#">1.58</a> Failed <sup>5</sup>	Ratio: <a href="#">1.98</a> Failed <sup>5</sup>	Ratio: <a href="#">2.44</a> Failed <sup>5</sup>	Ratio: <a href="#">3.00</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">3.61</a> AA 18pt <sup>2</sup>
Hex(AF80FF)	Ratio: <a href="#">1.26</a> Failed <sup>5</sup>		Ratio: <a href="#">1.25</a> Failed <sup>5</sup>	Ratio: <a href="#">1.57</a> Failed <sup>5</sup>	Ratio: <a href="#">1.93</a> Failed <sup>5</sup>	Ratio: <a href="#">2.37</a> Failed <sup>5</sup>	Ratio: <a href="#">2.86</a> Failed <sup>5</sup>
Hex(BF99FF)	Ratio: <a href="#">1.58</a> Failed <sup>5</sup>	Ratio: <a href="#">1.25</a> Failed <sup>5</sup>		Ratio: <a href="#">1.25</a> Failed <sup>5</sup>	Ratio: <a href="#">1.54</a> Failed <sup>5</sup>	Ratio: <a href="#">1.89</a> Failed <sup>5</sup>	Ratio: <a href="#">2.28</a> Failed <sup>5</sup>
Hex(CFB3FF)	Ratio: <a href="#">1.98</a> Failed <sup>5</sup>	Ratio: <a href="#">1.57</a> Failed <sup>5</sup>	Ratio: <a href="#">1.25</a> Failed <sup>5</sup>		Ratio: <a href="#">1.23</a> Failed <sup>5</sup>	Ratio: <a href="#">1.51</a> Failed <sup>5</sup>	Ratio: <a href="#">1.82</a> Failed <sup>5</sup>
Hex(DFCCFF)	Ratio: <a href="#">2.44</a> Failed <sup>5</sup>	Ratio: <a href="#">1.93</a> Failed <sup>5</sup>	Ratio: <a href="#">1.54</a> Failed <sup>5</sup>	Ratio: <a href="#">1.23</a> Failed <sup>5</sup>		Ratio: <a href="#">1.23</a> Failed <sup>5</sup>	Ratio: <a href="#">1.48</a> Failed <sup>5</sup>
Hex(EFE6FF)	Ratio: <a href="#">3.00</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.37</a> Failed <sup>5</sup>	Ratio: <a href="#">1.89</a> Failed <sup>5</sup>	Ratio: <a href="#">1.51</a> Failed <sup>5</sup>	Ratio: <a href="#">1.23</a> Failed <sup>5</sup>		Ratio: <a href="#">1.20</a> Failed <sup>5</sup>
Hex(FFFFFF)	Ratio: <a href="#">3.61</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">2.86</a> Failed <sup>5</sup>	Ratio: <a href="#">2.28</a> Failed <sup>5</sup>	Ratio: <a href="#">1.82</a> Failed <sup>5</sup>	Ratio: <a href="#">1.48</a> Failed <sup>5</sup>	Ratio: <a href="#">1.20</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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