

# Converting Colors - WCAG Matrix

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

Hex(EF7FC2) Hex(FFDBF1) Hex(AA7FEE) Hex(806A77) Hex(000000) Hex(808080)

Hex(EF7FC2)		Ratio: <a href="#">1.97</a> Failed <sup>5</sup>	Ratio: <a href="#">1.21</a> Failed <sup>5</sup>	Ratio: <a href="#">1.99</a> Failed <sup>5</sup>	Ratio: <a href="#">8.45</a> Passed <sup>6</sup>	Ratio: <a href="#">1.59</a> Failed <sup>5</sup>
Hex(FFDBF1)	Ratio: <a href="#">1.97</a> Failed <sup>5</sup>		Ratio: <a href="#">2.39</a> Failed <sup>5</sup>	Ratio: <a href="#">3.92</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">16.65</a> Passed <sup>6</sup>	Ratio: <a href="#">3.13</a> AA 18pt <sup>2</sup>
Hex(AA7FEE)	Ratio: <a href="#">1.21</a> Failed <sup>5</sup>	Ratio: <a href="#">2.39</a> Failed <sup>5</sup>		Ratio: <a href="#">1.64</a> Failed <sup>5</sup>	Ratio: <a href="#">6.98</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">1.31</a> Failed <sup>5</sup>
Hex(806A77)	Ratio: <a href="#">1.99</a> Failed <sup>5</sup>	Ratio: <a href="#">3.92</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">1.64</a> Failed <sup>5</sup>		Ratio: <a href="#">4.25</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">1.25</a> Failed <sup>5</sup>
Hex(000000)	Ratio: <a href="#">8.45</a> Passed <sup>6</sup>	Ratio: <a href="#">16.65</a> Passed <sup>6</sup>	Ratio: <a href="#">6.98</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: <a href="#">4.25</a> AA 18pt <sup>2</sup>		Ratio: <a href="#">5.32</a> AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(808080)	Ratio: <a href="#">1.59</a> Failed <sup>5</sup>	Ratio: <a href="#">3.13</a> AA 18pt <sup>2</sup>	Ratio: <a href="#">1.31</a> Failed <sup>5</sup>	Ratio: <a href="#">1.25</a> Failed <sup>5</sup>	Ratio: <a href="#">5.32</a> AA <sup>1</sup> AAA 18pt <sup>4</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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