

# Converting Colors - WCAG Matrix

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

Hex(E14864) Hex(FFFFFF) Hex(FF8197) Hex(FF9EB1) Hex(FFBACD) Hex(FFD7E9) Hex(FFF5FF)

	Hex(E14864)	Hex(FFFFFF)	Hex(FF8197)	Hex(FF9EB1)	Hex(FFBACD)	Hex(FFD7E9)	Hex(FFF5FF)
Hex(E14864)		<a href="#">Ratio: 3.95</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.66</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.03</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.48</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 3.04</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 3.72</a> <a href="#">AA 18pt<sup>2</sup></a>
Hex(FFFFFF)	<a href="#">Ratio: 3.95</a> <a href="#">AA 18pt<sup>2</sup></a>		<a href="#">Ratio: 2.38</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.95</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.60</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.30</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.06</a> <a href="#">Failed<sup>5</sup></a>
Hex(FF8197)	<a href="#">Ratio: 1.66</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.38</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.22</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.49</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.83</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.24</a> <a href="#">Failed<sup>5</sup></a>
Hex(FF9EB1)	<a href="#">Ratio: 2.03</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.95</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.22</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.22</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.50</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.83</a> <a href="#">Failed<sup>5</sup></a>
Hex(FFBACD)	<a href="#">Ratio: 2.48</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.60</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.49</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.22</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.23</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.50</a> <a href="#">Failed<sup>5</sup></a>
Hex(FFD7E9)	<a href="#">Ratio: 3.04</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.30</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.83</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.50</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.23</a> <a href="#">Failed<sup>5</sup></a>		<a href="#">Ratio: 1.22</a> <a href="#">Failed<sup>5</sup></a>
Hex(FFF5FF)	<a href="#">Ratio: 3.72</a> <a href="#">AA 18pt<sup>2</sup></a>	<a href="#">Ratio: 1.06</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 2.24</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.83</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.50</a> <a href="#">Failed<sup>5</sup></a>	<a href="#">Ratio: 1.22</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

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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