

# Converting Colors - WCAG Matrix

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

**Hex(AB5378) Hex(FFFFFF) Hex(E587AC) Hex(FFA2C8) Hex(FFBEE4) Hex(FFDAFF) Hex(FFF7FF)**

	Hex(AB5378)	Hex(FFFFFF)	Hex(E587AC)	Hex(FFA2C8)	Hex(FFBEE4)	Hex(FFDAFF)	Hex(FFF7FF)
Hex(AB5378)	Ratio: 4.95 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.98 Failed <sup>5</sup>	Ratio: 2.65 Failed <sup>5</sup>	Ratio: 3.24 AA 18pt <sup>2</sup>	Ratio: 3.94 AA 18pt <sup>2</sup>	Ratio: 4.72 AA <sup>1</sup> AAA 18pt <sup>4</sup>	
Hex(FFFFFF)	Ratio: 4.95 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.50 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 1.53 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>	
Hex(E587AC)	Ratio: 1.98 Failed <sup>5</sup>	Ratio: 2.50 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.38 Failed <sup>5</sup>	
Hex(FFA2C8)	Ratio: 2.65 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	
Hex(FFBEE4)	Ratio: 3.24 AA 18pt <sup>2</sup>	Ratio: 1.53 Failed <sup>5</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	
Hex(FFDAFF)	Ratio: 3.94 AA 18pt <sup>2</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	
Hex(FFF7FF)	Ratio: 4.72 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.05 Failed <sup>5</sup>	Ratio: 2.38 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>	Ratio: 1.20 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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