

# Converting Colors - WCAG Matrix

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

Hex(845049) Hex(FFFFFF) Hex(BB827A) Hex(D79C93) Hex(F5B7AE) Hex(FFD3C9) Hex(FFEFE5)

	Hex(845049)	Hex(FFFFFF)	Hex(BB827A)	Hex(D79C93)	Hex(F5B7AE)	Hex(FFD3C9)	Hex(FFEFE5)
Hex(845049)	Ratio: 6.51 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 2.81 Failed <sup>5</sup>	Ratio: 3.80 AA 18pt <sup>2</sup>	Ratio: 4.78 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.81 AA <sup>1</sup> AAA 18pt <sup>4</sup>	
Hex(FFFFFF)	Ratio: 6.51 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.19 AA 18pt <sup>2</sup>	Ratio: 2.32 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.12 Failed <sup>5</sup>	
Hex(BB827A)	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 3.19 AA 18pt <sup>2</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 2.34 Failed <sup>5</sup>	Ratio: 2.84 Failed <sup>5</sup>	
Hex(D79C93)	Ratio: 2.81 Failed <sup>5</sup>	Ratio: 2.32 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.70 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	
Hex(F5B7AE)	Ratio: 3.80 AA 18pt <sup>2</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.53 Failed <sup>5</sup>	
Hex(FFD3C9)	Ratio: 4.78 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 2.34 Failed <sup>5</sup>	Ratio: 1.70 Failed <sup>5</sup>	Ratio: 1.26 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>	
Hex(FFEFE5)	Ratio: 5.81 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.12 Failed <sup>5</sup>	Ratio: 2.84 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 1.53 Failed <sup>5</sup>	Ratio: 1.22 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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