

# Converting Colors - WCAG Matrix

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

Hex(524147) Hex(FFFFFF) Hex(837178) Hex(9D8B91) Hex(B8A5AC) Hex(D4C0C7) Hex(F0DCE3) Hex(FFF9FF)

	Hex(524147)	Hex(FFFFFF)	Hex(837178)	Hex(9D8B91)	Hex(B8A5AC)	Hex(D4C0C7)	Hex(F0DCE3)	Hex(FFF9FF)
Hex(524147)		Ratio: 9.52 Passed <sup>6</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 4.09 AA 18pt <sup>2</sup>	Ratio: 5.51 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.28 Passed <sup>6</sup>	Ratio: 9.18 Passed <sup>6</sup>
Hex(FFFFFF)	Ratio: 9.52 Passed <sup>6</sup>		Ratio: 4.57 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.21 AA 18pt <sup>2</sup>	Ratio: 2.33 Failed <sup>5</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>
Hex(837178)	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 4.57 AA <sup>1</sup> AAA 18pt <sup>4</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 2.65 Failed <sup>5</sup>	Ratio: 3.49 AA 18pt <sup>2</sup>	Ratio: 4.40 AA 18pt <sup>2</sup>
Hex(9D8B91)	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 3.21 AA 18pt <sup>2</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 2.46 Failed <sup>5</sup>	Ratio: 3.10 AA 18pt <sup>2</sup>
Hex(B8A5AC)	Ratio: 4.09 AA 18pt <sup>2</sup>	Ratio: 2.33 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>		Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 2.25 Failed <sup>5</sup>
Hex(D4C0C7)	Ratio: 5.51 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.73 Failed <sup>5</sup>	Ratio: 2.65 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>		Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>
Hex(F0DCE3)	Ratio: 7.28 Passed <sup>6</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 3.49 AA 18pt <sup>2</sup>	Ratio: 2.46 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>		Ratio: 1.26 Failed <sup>5</sup>
Hex(FFF9FF)	Ratio: 9.18 Passed <sup>6</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 4.40 AA 18pt <sup>2</sup>	Ratio: 3.10 AA 18pt <sup>2</sup>	Ratio: 2.25 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.26 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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