

# Converting Colors - WCAG Matrix

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

Hex(277248) Hex(FFFFFF) Hex(5DA779) Hex(78C293) Hex(93DEAD) Hex(AEFBC9) Hex(CBFFE5) Hex(E7FFFF)

	Hex(277248)	Hex(FFFFFF)	Hex(5DA779)	Hex(78C293)	Hex(93DEAD)	Hex(AEFBC9)	Hex(CBFFE5)	Hex(E7FFFF)
Hex(277248)		Ratio: 5.85 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 2.77 Failed <sup>5</sup>	Ratio: 3.71 AA 18pt <sup>2</sup>	Ratio: 4.86 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.29 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.62 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(FFFFFF)	Ratio: 5.85 AA <sup>1</sup> AAA 18pt <sup>4</sup>		Ratio: 2.89 Failed <sup>5</sup>	Ratio: 2.11 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.11 Failed <sup>5</sup>	Ratio: 1.04 Failed <sup>5</sup>
Hex(5DA779)	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 2.89 Failed <sup>5</sup>		Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 2.40 Failed <sup>5</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 2.77 Failed <sup>5</sup>
Hex(78C293)	Ratio: 2.77 Failed <sup>5</sup>	Ratio: 2.11 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>		Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.76 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>
Hex(93DEAD)	Ratio: 3.71 AA 18pt <sup>2</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>		Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>
Hex(AEFBC9)	Ratio: 4.86 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 2.40 Failed <sup>5</sup>	Ratio: 1.76 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>		Ratio: 1.09 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>
Hex(CBFFE5)	Ratio: 5.29 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.11 Failed <sup>5</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.09 Failed <sup>5</sup>		Ratio: 1.06 Failed <sup>5</sup>
Hex(E7FFFF)	Ratio: 5.62 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.04 Failed <sup>5</sup>	Ratio: 2.77 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.06 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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