

# Converting Colors - WCAG Matrix

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

Hex(776493) Hex(FFFFFF) Hex(AC97C9) Hex(C7B2E5) Hex(E4CDFF) Hex(FFE9FF)

Hex(776493)	Ratio: 5.21 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.71 Failed <sup>5</sup>	Ratio: 3.59 AA 18pt <sup>2</sup>	Ratio: 4.56 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(FFFFFF)	Ratio: 5.21 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>	Ratio: 1.14 Failed <sup>5</sup>
Hex(AC97C9)	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.80 Failed <sup>5</sup>	Ratio: 2.29 Failed <sup>5</sup>
Hex(C7B2E5)	Ratio: 2.71 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>
Hex(E4CDFF)	Ratio: 3.59 AA 18pt <sup>2</sup>	Ratio: 1.45 Failed <sup>5</sup>	Ratio: 1.80 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>
Hex(FFE9FF)	Ratio: 4.56 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.14 Failed <sup>5</sup>	Ratio: 2.29 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 1.27 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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