

# Converting Colors - WCAG Matrix

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

Hex(B19ECC) Hex(BDB2CC) Hex(C9C7CC) Hex(D5DBCC) Hex(E1F0CC) Hex(EDFFCC) Hex(F9FFCC) Hex(FFFCC)

	Hex(B19ECC)	Hex(BDB2CC)	Hex(C9C7CC)	Hex(D5DBCC)	Hex(E1F0CC)	Hex(EDFFCC)	Hex(F9FFCC)	Hex(FFFCC)
Hex(B19ECC)		Ratio: 1.21 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 2.29 Failed <sup>5</sup>	Ratio: 2.34 Failed <sup>5</sup>	Ratio: 2.37 Failed <sup>5</sup>
Hex(BDB2CC)	Ratio: 1.21 Failed <sup>5</sup>		Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 1.90 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>
Hex(C9C7CC)	Ratio: 1.45 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>		Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>
Hex(D5DBCC)	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>		Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>
Hex(E1F0CC)	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>
Hex(EDFFCC)	Ratio: 2.29 Failed <sup>5</sup>	Ratio: 1.90 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>
Hex(F9FFCC)	Ratio: 2.34 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.15 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>
Hex(FFFCC)	Ratio: 2.37 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.01 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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