

# Converting Colors - WCAG Matrix

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

Hex(CB7F7D) Hex(AE6564) Hex(924D4C) Hex(773536) Hex(5C1D20) Hex(420409) Hex(2C0001) Hex(000000)

	Hex(CB7F7D)	Hex(AE6564)	Hex(924D4C)	Hex(773536)	Hex(5C1D20)	Hex(420409)	Hex(2C0001)	Hex(000000)
Hex(CB7F7D)		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 2.93 Failed <sup>5</sup>	Ratio: 4.16 AA 18pt <sup>2</sup>	Ratio: 5.48 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.20 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.87 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(AE6564)	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 2.93 Failed <sup>5</sup>	Ratio: 3.87 AA 18pt <sup>2</sup>	Ratio: 4.37 AA 18pt <sup>2</sup>	Ratio: 4.85 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(924D4C)	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 2.70 Failed <sup>5</sup>	Ratio: 3.06 AA 18pt <sup>2</sup>	Ratio: 3.39 AA 18pt <sup>2</sup>
Hex(773536)	Ratio: 2.93 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 2.12 Failed <sup>5</sup>	Ratio: 2.35 Failed <sup>5</sup>
Hex(5C1D20)	Ratio: 4.16 AA 18pt <sup>2</sup>	Ratio: 2.93 Failed <sup>5</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>
Hex(420409)	Ratio: 5.48 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.87 AA 18pt <sup>2</sup>	Ratio: 2.70 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>
Hex(2C0001)	Ratio: 6.20 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.37 AA 18pt <sup>2</sup>	Ratio: 3.06 AA 18pt <sup>2</sup>	Ratio: 2.12 Failed <sup>5</sup>	Ratio: 1.49 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.11 Failed <sup>5</sup>
Hex(000000)	Ratio: 6.87 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.85 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.39 AA 18pt <sup>2</sup>	Ratio: 2.35 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.11 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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