

# Converting Colors - WCAG Matrix

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

Hex(CA8C86) Hex(AE726D) Hex(925954) Hex(77413D) Hex(5D2A28) Hex(441413) Hex(2C0000) Hex(000000)

	Hex(CA8C86)	Hex(AE726D)	Hex(925954)	Hex(77413D)	Hex(5D2A28)	Hex(441413)	Hex(2C0000)	Hex(000000)
Hex(CA8C86)		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.92 Failed <sup>5</sup>	Ratio: 4.16 AA 18pt <sup>2</sup>	Ratio: 5.61 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.87 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.61 Passed <sup>6</sup>
Hex(AE726D)	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 4.00 AA 18pt <sup>2</sup>	Ratio: 4.90 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.43 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(925954)	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.79 Failed <sup>5</sup>	Ratio: 3.41 AA 18pt <sup>2</sup>	Ratio: 3.78 AA 18pt <sup>2</sup>
Hex(77413D)	Ratio: 2.92 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 2.36 Failed <sup>5</sup>	Ratio: 2.61 Failed <sup>5</sup>
Hex(5D2A28)	Ratio: 4.16 AA 18pt <sup>2</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>
Hex(441413)	Ratio: 5.61 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.00 AA 18pt <sup>2</sup>	Ratio: 2.79 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>		Ratio: 1.22 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>
Hex(2C0000)	Ratio: 6.87 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.90 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.41 AA 18pt <sup>2</sup>	Ratio: 2.36 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.22 Failed <sup>5</sup>		Ratio: 1.11 Failed <sup>5</sup>
Hex(000000)	Ratio: 7.61 Passed <sup>6</sup>	Ratio: 5.43 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.78 AA 18pt <sup>2</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.36 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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