

# Converting Colors - WCAG Matrix

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

Hex(22AB42) Hex(009028) Hex(00750B) Hex(005B00) Hex(004200) Hex(002C00) Hex(000A00) Hex(000000)

	Hex(22AB42)	Hex(009028)	Hex(00750B)	Hex(005B00)	Hex(004200)	Hex(002C00)	Hex(000A00)	Hex(000000)
Hex(22AB42)		Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 2.79 Failed <sup>5</sup>	Ratio: 3.92 AA 18pt <sup>2</sup>	Ratio: 5.13 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.97 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(009028)	Ratio: 1.39 Failed <sup>5</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 3.69 AA 18pt <sup>2</sup>	Ratio: 4.81 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.02 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(00750B)	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 3.40 AA 18pt <sup>2</sup>	Ratio: 3.55 AA 18pt <sup>2</sup>
Hex(005B00)	Ratio: 2.79 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 2.39 Failed <sup>5</sup>	Ratio: 2.50 Failed <sup>5</sup>
Hex(004200)	Ratio: 3.92 AA 18pt <sup>2</sup>	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>
Hex(002C00)	Ratio: 5.13 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.69 AA 18pt <sup>2</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>		Ratio: 1.30 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>
Hex(000A00)	Ratio: 6.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.81 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.40 AA 18pt <sup>2</sup>	Ratio: 2.39 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.30 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>
Hex(000000)	Ratio: 6.97 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.02 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.55 AA 18pt <sup>2</sup>	Ratio: 2.50 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.04 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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