

# Converting Colors - WCAG Matrix

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

Hex(7C9091) Hex(627677) Hex(4A5E5E) Hex(334647) Hex(1E3030) Hex(081B1B) Hex(000000)

	Hex(7C9091)	Hex(627677)	Hex(4A5E5E)	Hex(334647)	Hex(1E3030)	Hex(081B1B)	Hex(000000)
Hex(7C9091)		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 4.11 AA 18pt <sup>2</sup>	Ratio: 5.29 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.26 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(627677)	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.88 Failed <sup>5</sup>	Ratio: 3.70 AA 18pt <sup>2</sup>	Ratio: 4.38 AA 18pt <sup>2</sup>
Hex(4A5E5E)	Ratio: 2.05 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.58 Failed <sup>5</sup>	Ratio: 3.05 AA 18pt <sup>2</sup>
Hex(334647)	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 2.11 Failed <sup>5</sup>
Hex(1E3030)	Ratio: 4.11 AA 18pt <sup>2</sup>	Ratio: 2.88 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>		Ratio: 1.29 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>
Hex(081B1B)	Ratio: 5.29 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.70 AA 18pt <sup>2</sup>	Ratio: 2.58 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.29 Failed <sup>5</sup>		Ratio: 1.18 Failed <sup>5</sup>
Hex(000000)	Ratio: 6.26 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.38 AA 18pt <sup>2</sup>	Ratio: 3.05 AA 18pt <sup>2</sup>	Ratio: 2.11 Failed <sup>5</sup>	Ratio: 1.52 Failed <sup>5</sup>	Ratio: 1.18 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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