

# Converting Colors - WCAG Matrix

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

Hex(A9989A) Hex(8E7E80) Hex(756567) Hex(5C4D4F) Hex(443638) Hex(2E2123) Hex(1A0B0D) Hex(000000)

	Hex(A9989A)	Hex(8E7E80)	Hex(756567)	Hex(5C4D4F)	Hex(443638)	Hex(2E2123)	Hex(1A0B0D)	Hex(000000)
Hex(A9989A)		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 4.18 AA 18pt <sup>2</sup>	Ratio: 5.63 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.97 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.64 Passed <sup>6</sup>
Hex(8E7E80)	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.98 Failed <sup>5</sup>	Ratio: 4.01 AA 18pt <sup>2</sup>	Ratio: 4.96 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.45 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(756567)	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.81 Failed <sup>5</sup>	Ratio: 3.47 AA 18pt <sup>2</sup>	Ratio: 3.81 AA 18pt <sup>2</sup>
Hex(5C4D4F)	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 2.40 Failed <sup>5</sup>	Ratio: 2.63 Failed <sup>5</sup>
Hex(443638)	Ratio: 4.18 AA 18pt <sup>2</sup>	Ratio: 2.98 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>
Hex(2E2123)	Ratio: 5.63 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.01 AA 18pt <sup>2</sup>	Ratio: 2.81 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>		Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>
Hex(1A0B0D)	Ratio: 6.97 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.96 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.47 AA 18pt <sup>2</sup>	Ratio: 2.40 Failed <sup>5</sup>	Ratio: 1.67 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>		Ratio: 1.10 Failed <sup>5</sup>
Hex(000000)	Ratio: 7.64 Passed <sup>6</sup>	Ratio: 5.45 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.81 AA 18pt <sup>2</sup>	Ratio: 2.63 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.10 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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