

# Converting Colors - WCAG Matrix

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

Hex(90918F) Hex(767775) Hex(5E5F5D) Hex(464745) Hex(30312F) Hex(1B1C1A) Hex(000000)

	Hex(90918F)	Hex(767775)	Hex(5E5F5D)	Hex(464745)	Hex(30312F)	Hex(1B1C1A)	Hex(000000)
Hex(90918F)		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 4.13 AA 18pt <sup>2</sup>	Ratio: 5.40 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.63 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(767775)	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 3.80 AA 18pt <sup>2</sup>	Ratio: 4.67 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(5E5F5D)	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.46 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 3.27 AA 18pt <sup>2</sup>
Hex(464745)	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 1.46 Failed <sup>5</sup>		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 2.25 Failed <sup>5</sup>
Hex(30312F)	Ratio: 4.13 AA 18pt <sup>2</sup>	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>
Hex(1B1C1A)	Ratio: 5.40 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.80 AA 18pt <sup>2</sup>	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>		Ratio: 1.23 Failed <sup>5</sup>
Hex(000000)	Ratio: 6.63 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.67 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.27 AA 18pt <sup>2</sup>	Ratio: 2.25 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>	Ratio: 1.23 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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