

# Converting Colors - WCAG Matrix

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

**Hex(8B8487) Hex(726B6E) Hex(595356) Hex(423C3E) Hex(2C2629) Hex(181214) Hex(080002)**

	Hex(8B8487)	Hex(726B6E)	Hex(595356)	Hex(423C3E)	Hex(2C2629)	Hex(181214)	Hex(080002)
Hex(8B8487)		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 4.06 AA 18pt <sup>2</sup>	Ratio: 5.06 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(726B6E)	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.85 Failed <sup>5</sup>	Ratio: 3.56 AA 18pt <sup>2</sup>	Ratio: 4.00 AA 18pt <sup>2</sup>
Hex(595356)	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.97 Failed <sup>5</sup>	Ratio: 2.46 Failed <sup>5</sup>	Ratio: 2.77 Failed <sup>5</sup>
Hex(423C3E)	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.93 Failed <sup>5</sup>
Hex(2C2629)	Ratio: 4.06 AA 18pt <sup>2</sup>	Ratio: 2.85 Failed <sup>5</sup>	Ratio: 1.97 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>		Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>
Hex(181214)	Ratio: 5.06 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.56 AA 18pt <sup>2</sup>	Ratio: 2.46 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>		Ratio: 1.12 Failed <sup>5</sup>
Hex(080002)	Ratio: 5.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.00 AA 18pt <sup>2</sup>	Ratio: 2.77 Failed <sup>5</sup>	Ratio: 1.93 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.12 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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