

# Converting Colors - WCAG Matrix

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

Hex(00ABA2) Hex(009088) Hex(00766F) Hex(005C56) Hex(00443F) Hex(002D29) Hex(001315) Hex(00010E)

	Hex(00ABA2)	Hex(009088)	Hex(00766F)	Hex(005C56)	Hex(00443F)	Hex(002D29)	Hex(001315)	Hex(00010E)
Hex(00ABA2)		Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 2.76 Failed <sup>5</sup>	Ratio: 3.87 AA 18pt <sup>2</sup>	Ratio: 5.22 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.65 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.27 Passed <sup>6</sup>
Hex(009088)	Ratio: 1.37 Failed <sup>5</sup>		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 3.80 AA 18pt <sup>2</sup>	Ratio: 4.84 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.29 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(00766F)	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 2.71 Failed <sup>5</sup>	Ratio: 3.46 AA 18pt <sup>2</sup>	Ratio: 3.78 AA 18pt <sup>2</sup>
Hex(005C56)	Ratio: 2.76 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.89 Failed <sup>5</sup>	Ratio: 2.41 Failed <sup>5</sup>	Ratio: 2.64 Failed <sup>5</sup>
Hex(00443F)	Ratio: 3.87 AA 18pt <sup>2</sup>	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 2.01 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>
Hex(002D29)	Ratio: 5.22 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.80 AA 18pt <sup>2</sup>	Ratio: 2.71 Failed <sup>5</sup>	Ratio: 1.89 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>		Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>
Hex(001315)	Ratio: 6.65 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.84 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.46 AA 18pt <sup>2</sup>	Ratio: 2.41 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>		Ratio: 1.09 Failed <sup>5</sup>
Hex(00010E)	Ratio: 7.27 Passed <sup>6</sup>	Ratio: 5.29 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.78 AA 18pt <sup>2</sup>	Ratio: 2.64 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.09 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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