

# Converting Colors - WCAG Matrix

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

	Hex(A5C0AD)	Hex(8BA592)	Hex(718A79)	Hex(587160)	Hex(415848)	Hex(2A4132)	Hex(152B1D)	Hex(001703)	Hex(000000)
Hex(A5C0AD)		Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 2.72 Failed <sup>5</sup>	Ratio: 3.96 AA 18pt <sup>2</sup>	Ratio: 5.65 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.70 Passed <sup>6</sup>	Ratio: 9.56 Passed <sup>6</sup>	Ratio: 10.74 Passed <sup>6</sup>
Hex(8BA592)	Ratio: 1.36 Failed <sup>5</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 4.15 AA 18pt <sup>2</sup>	Ratio: 5.66 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.03 Passed <sup>6</sup>	Ratio: 7.89 Passed <sup>6</sup>
Hex(718A79)	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 4.02 AA 18pt <sup>2</sup>	Ratio: 5.00 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.61 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(587160)	Ratio: 2.72 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.83 Failed <sup>5</sup>	Ratio: 3.51 AA 18pt <sup>2</sup>	Ratio: 3.95 AA 18pt <sup>2</sup>
Hex(415848)	Ratio: 3.96 AA 18pt <sup>2</sup>	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 2.42 Failed <sup>5</sup>	Ratio: 2.71 Failed <sup>5</sup>
Hex(2A4132)	Ratio: 5.65 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.15 AA 18pt <sup>2</sup>	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 1.90 Failed <sup>5</sup>
Hex(152B1D)	Ratio: 7.70 Passed <sup>6</sup>	Ratio: 5.66 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.02 AA 18pt <sup>2</sup>	Ratio: 2.83 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>		Ratio: 1.24 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>
Hex(001703)	Ratio: 9.56 Passed <sup>6</sup>	Ratio: 7.03 Passed <sup>6</sup>	Ratio: 5.00 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.51 AA 18pt <sup>2</sup>	Ratio: 2.42 Failed <sup>5</sup>	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>		Ratio: 1.12 Failed <sup>5</sup>
Hex(000000)	Ratio: 10.74 Passed <sup>6</sup>	Ratio: 7.89 Passed <sup>6</sup>	Ratio: 5.61 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.95 AA 18pt <sup>2</sup>	Ratio: 2.71 Failed <sup>5</sup>	Ratio: 1.90 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.