

# Converting Colors - WCAG Matrix

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

	Hex(C997AF)	Hex(AD7D95)	Hex(92647B)	Hex(784B62)	Hex(5F344A)	Hex(461E34)	Hex(2F081F)	Hex(190004)	Hex(000000)
Hex(C997AF)		Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.97 Failed <sup>5</sup>	Ratio: 2.86 Failed <sup>5</sup>	Ratio: 4.11 AA 18pt <sup>2</sup>	Ratio: 5.70 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.26 Passed <sup>6</sup>	Ratio: 8.18 Passed <sup>6</sup>	Ratio: 8.53 Passed <sup>6</sup>
Hex(AD7D95)	Ratio: 1.39 Failed <sup>5</sup>		Ratio: 1.42 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 4.11 AA 18pt <sup>2</sup>	Ratio: 5.23 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.89 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.14 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(92647B)	Ratio: 1.97 Failed <sup>5</sup>	Ratio: 1.42 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 2.90 Failed <sup>5</sup>	Ratio: 3.68 AA 18pt <sup>2</sup>	Ratio: 4.15 AA 18pt <sup>2</sup>	Ratio: 4.33 AA 18pt <sup>2</sup>
Hex(784B62)	Ratio: 2.86 Failed <sup>5</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.54 Failed <sup>5</sup>	Ratio: 2.86 Failed <sup>5</sup>	Ratio: 2.98 Failed <sup>5</sup>
Hex(5F344A)	Ratio: 4.11 AA 18pt <sup>2</sup>	Ratio: 2.96 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>
Hex(461E34)	Ratio: 5.70 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.11 AA 18pt <sup>2</sup>	Ratio: 2.90 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>		Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>
Hex(2F081F)	Ratio: 7.26 Passed <sup>6</sup>	Ratio: 5.23 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.68 AA 18pt <sup>2</sup>	Ratio: 2.54 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>		Ratio: 1.13 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>
Hex(190004)	Ratio: 8.18 Passed <sup>6</sup>	Ratio: 5.89 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.15 AA 18pt <sup>2</sup>	Ratio: 2.86 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>	Ratio: 1.13 Failed <sup>5</sup>		Ratio: 1.04 Failed <sup>5</sup>
Hex(000000)	Ratio: 8.53 Passed <sup>6</sup>	Ratio: 6.14 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.33 AA 18pt <sup>2</sup>	Ratio: 2.98 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 1.50 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.04 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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