

# Converting Colors - WCAG Matrix

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

	Hex(1B0407)	Hex(FDE5E8)	Hex(443234)	Hex(5C494B)	Hex(756163)	Hex(8F7A7C)	Hex(A99395)	Hex(C4AEB0)	Hex(E0C9CB)
Hex(1B0407)		Ratio: 16.45 Passed <sup>6</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 2.35 Failed <sup>5</sup>	Ratio: 3.42 AA 18pt <sup>2</sup>	Ratio: 4.91 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.84 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 9.40 Passed <sup>6</sup>	Ratio: 12.55 Passed <sup>6</sup>
Hex(FDE5E8)	Ratio: 16.45 Passed <sup>6</sup>		Ratio: 10.02 Passed <sup>6</sup>	Ratio: 6.99 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.81 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.35 AA 18pt <sup>2</sup>	Ratio: 2.41 Failed <sup>5</sup>	Ratio: 1.75 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>
Hex(443234)	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 10.02 Passed <sup>6</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.99 Failed <sup>5</sup>	Ratio: 4.16 AA 18pt <sup>2</sup>	Ratio: 5.73 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.64 Passed <sup>6</sup>
Hex(5C494B)	Ratio: 2.35 Failed <sup>5</sup>	Ratio: 6.99 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 4.00 AA 18pt <sup>2</sup>	Ratio: 5.33 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(756163)	Ratio: 3.42 AA 18pt <sup>2</sup>	Ratio: 4.81 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 2.75 Failed <sup>5</sup>	Ratio: 3.67 AA 18pt <sup>2</sup>
Hex(8F7A7C)	Ratio: 4.91 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.35 AA 18pt <sup>2</sup>	Ratio: 2.99 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: 1.91 Failed <sup>5</sup>	Ratio: 2.55 Failed <sup>5</sup>
Hex(A99395)	Ratio: 6.84 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.41 Failed <sup>5</sup>	Ratio: 4.16 AA 18pt <sup>2</sup>	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 2.00 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>		Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>
Hex(C4AEB0)	Ratio: 9.40 Passed <sup>6</sup>	Ratio: 1.75 Failed <sup>5</sup>	Ratio: 5.73 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.00 AA 18pt <sup>2</sup>	Ratio: 2.75 Failed <sup>5</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>		Ratio: 1.33 Failed <sup>5</sup>
Hex(E0C9CB)	Ratio: 12.55 Passed <sup>6</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 7.64 Passed <sup>6</sup>	Ratio: 5.33 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.67 AA 18pt <sup>2</sup>	Ratio: 2.55 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.33 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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