

# Converting Colors - WCAG Matrix

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

Hex(BF9385) Hex(A37A6C) Hex(886153) Hex(6E493C) Hex(553226) Hex(3C1D12) Hex(260500) Hex(000000)

	Hex(BF9385)	Hex(A37A6C)	Hex(886153)	Hex(6E493C)	Hex(553226)	Hex(3C1D12)	Hex(260500)	Hex(000000)
Hex(BF9385)		Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 2.88 Failed <sup>5</sup>	Ratio: 4.13 AA 18pt <sup>2</sup>	Ratio: 5.61 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.00 Passed <sup>6</sup>	Ratio: 7.73 Passed <sup>6</sup>
Hex(A37A6C)	Ratio: 1.39 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.97 Failed <sup>5</sup>	Ratio: 4.04 AA 18pt <sup>2</sup>	Ratio: 5.03 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 5.56 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(886153)	Ratio: 1.99 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 3.52 AA 18pt <sup>2</sup>	Ratio: 3.88 AA 18pt <sup>2</sup>
Hex(6E493C)	Ratio: 2.88 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: 2.43 Failed <sup>5</sup>	Ratio: 2.68 Failed <sup>5</sup>
Hex(553226)	Ratio: 4.13 AA 18pt <sup>2</sup>	Ratio: 2.97 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: 1.87 Failed <sup>5</sup>
Hex(3C1D12)	Ratio: 5.61 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.04 AA 18pt <sup>2</sup>	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>		Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>
Hex(260500)	Ratio: 7.00 Passed <sup>6</sup>	Ratio: 5.03 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.52 AA 18pt <sup>2</sup>	Ratio: 2.43 Failed <sup>5</sup>	Ratio: 1.69 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>		Ratio: 1.10 Failed <sup>5</sup>
Hex(000000)	Ratio: 7.73 Passed <sup>6</sup>	Ratio: 5.56 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.88 AA 18pt <sup>2</sup>	Ratio: 2.68 Failed <sup>5</sup>	Ratio: 1.87 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.10 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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