

# Converting Colors - WCAG Matrix

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

	Hex(60583E)	Hex(FFFFFF)	Hex(938A6E)	Hex(AEA487)	Hex(C9BFA1)	Hex(E6DBBD)	Hex(FFF7D8)	Hex(FFFFF5)
Hex(60583E)		Ratio: 7.09 Passed <sup>6</sup>	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 2.86 Failed <sup>5</sup>	Ratio: 3.86 AA 18pt <sup>2</sup>	Ratio: 5.14 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.60 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.05 Passed <sup>6</sup>
Hex(FFFFFF)	Ratio: 7.09 Passed <sup>6</sup>		Ratio: 3.44 AA 18pt <sup>2</sup>	Ratio: 2.48 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.07 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>
Hex(938A6E)	Ratio: 2.06 Failed <sup>5</sup>	Ratio: 3.44 AA 18pt <sup>2</sup>		Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 2.50 Failed <sup>5</sup>	Ratio: 3.20 AA 18pt <sup>2</sup>	Ratio: 3.42 AA 18pt <sup>2</sup>
Hex(AEA487)	Ratio: 2.86 Failed <sup>5</sup>	Ratio: 2.48 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>		Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.80 Failed <sup>5</sup>	Ratio: 2.31 Failed <sup>5</sup>	Ratio: 2.47 Failed <sup>5</sup>
Hex(C9BFA1)	Ratio: 3.86 AA 18pt <sup>2</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.88 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>		Ratio: 1.33 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.82 Failed <sup>5</sup>
Hex(E6DBBD)	Ratio: 5.14 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 2.50 Failed <sup>5</sup>	Ratio: 1.80 Failed <sup>5</sup>	Ratio: 1.33 Failed <sup>5</sup>		Ratio: 1.28 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>
Hex(FFF7D8)	Ratio: 6.60 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.07 Failed <sup>5</sup>	Ratio: 3.20 AA 18pt <sup>2</sup>	Ratio: 2.31 Failed <sup>5</sup>	Ratio: 1.71 Failed <sup>5</sup>	Ratio: 1.28 Failed <sup>5</sup>		Ratio: 1.07 Failed <sup>5</sup>
Hex(FFFFF5)	Ratio: 7.05 Passed <sup>6</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 3.42 AA 18pt <sup>2</sup>	Ratio: 2.47 Failed <sup>5</sup>	Ratio: 1.82 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.07 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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