

# Converting Colors - WCAG Matrix

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

	Hex(2E1D1C)	Hex(FFFFFF)	Hex(5C4947)	Hex(75605F)	Hex(8F7978)	Hex(AA9391)	Hex(C5ADAC)	Hex(E1C9C7)	Hex(FEE5E3)
Hex(2E1D1C)		Ratio: 16.05 Passed <sup>6</sup>	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 2.75 Failed <sup>5</sup>	Ratio: 3.95 AA 18pt <sup>2</sup>	Ratio: 5.57 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.60 Passed <sup>6</sup>	Ratio: 10.23 Passed <sup>6</sup>	Ratio: 13.40 Passed <sup>6</sup>
Hex(FFFFFF)	Ratio: 16.05 Passed <sup>6</sup>		Ratio: 8.40 Passed <sup>6</sup>	Ratio: 5.84 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.06 AA 18pt <sup>2</sup>	Ratio: 2.88 Failed <sup>5</sup>	Ratio: 2.11 Failed <sup>5</sup>	Ratio: 1.57 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>
Hex(5C4947)	Ratio: 1.91 Failed <sup>5</sup>	Ratio: 8.40 Passed <sup>6</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.92 Failed <sup>5</sup>	Ratio: 3.98 AA 18pt <sup>2</sup>	Ratio: 5.35 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.02 Passed <sup>6</sup>
Hex(75605F)	Ratio: 2.75 Failed <sup>5</sup>	Ratio: 5.84 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 2.77 Failed <sup>5</sup>	Ratio: 3.72 AA 18pt <sup>2</sup>	Ratio: 4.88 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(8F7978)	Ratio: 3.95 AA 18pt <sup>2</sup>	Ratio: 4.06 AA 18pt <sup>2</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 2.59 Failed <sup>5</sup>	Ratio: 3.39 AA 18pt <sup>2</sup>
Hex(AA9391)	Ratio: 5.57 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.88 Failed <sup>5</sup>	Ratio: 2.92 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.36 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 2.40 Failed <sup>5</sup>
Hex(C5ADAC)	Ratio: 7.60 Passed <sup>6</sup>	Ratio: 2.11 Failed <sup>5</sup>	Ratio: 3.98 AA 18pt <sup>2</sup>	Ratio: 2.77 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 1.36 Failed <sup>5</sup>		Ratio: 1.35 Failed <sup>5</sup>	Ratio: 1.76 Failed <sup>5</sup>
Hex(E1C9C7)	Ratio: 10.23 Passed <sup>6</sup>	Ratio: 1.57 Failed <sup>5</sup>	Ratio: 5.35 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.72 AA 18pt <sup>2</sup>	Ratio: 2.59 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.35 Failed <sup>5</sup>		Ratio: 1.31 Failed <sup>5</sup>
Hex(FEE5E3)	Ratio: 13.40 Passed <sup>6</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 7.02 Passed <sup>6</sup>	Ratio: 4.88 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.39 AA 18pt <sup>2</sup>	Ratio: 2.40 Failed <sup>5</sup>	Ratio: 1.76 Failed <sup>5</sup>	Ratio: 1.31 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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