

# Converting Colors - WCAG Matrix

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

	Hex(231F24)	Hex(FFFFFF)	Hex(4F4B51)	Hex(676369)	Hex(807C82)	Hex(9A969C)	Hex(B5B0B7)	Hex(D0CCD2)	Hex(EDE8EF)
Hex(231F24)		Ratio: 16.24 Passed <sup>6</sup>	Ratio: 1.90 Failed <sup>5</sup>	Ratio: 2.76 Failed <sup>5</sup>	Ratio: 3.96 AA 18pt <sup>2</sup>	Ratio: 5.58 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.62 Passed <sup>6</sup>	Ratio: 10.25 Passed <sup>6</sup>	Ratio: 13.45 Passed <sup>6</sup>
Hex(FFFFFF)	Ratio: 16.24 Passed <sup>6</sup>		Ratio: 8.54 Passed <sup>6</sup>	Ratio: 5.89 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.10 AA 18pt <sup>2</sup>	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 2.13 Failed <sup>5</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 1.21 Failed <sup>5</sup>
Hex(4F4B51)	Ratio: 1.90 Failed <sup>5</sup>	Ratio: 8.54 Passed <sup>6</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.08 Failed <sup>5</sup>	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 4.01 AA 18pt <sup>2</sup>	Ratio: 5.39 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.08 Passed <sup>6</sup>
Hex(676369)	Ratio: 2.76 Failed <sup>5</sup>	Ratio: 5.89 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.02 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(807C82)	Ratio: 3.96 AA 18pt <sup>2</sup>	Ratio: 4.10 AA 18pt <sup>2</sup>	Ratio: 2.08 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(9A969C)	Ratio: 5.58 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.91 Failed <sup>5</sup>	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 2.41 Failed <sup>5</sup>
Hex(B5B0B7)	Ratio: 7.62 Passed <sup>6</sup>	Ratio: 2.13 Failed <sup>5</sup>	Ratio: 4.01 AA 18pt <sup>2</sup>	Ratio: 2.77 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>		Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.76 Failed <sup>5</sup>
Hex(D0CCD2)	Ratio: 10.25 Passed <sup>6</sup>	Ratio: 1.58 Failed <sup>5</sup>	Ratio: 5.39 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: 1.34 Failed <sup>5</sup>		Ratio: 1.31 Failed <sup>5</sup>
Hex(EDE8EF)	Ratio: 13.45 Passed <sup>6</sup>	Ratio: 1.21 Failed <sup>5</sup>	Ratio: 7.08 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: 2.41 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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