

# Converting Colors - WCAG Matrix

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

Hex(414B3F) Hex(FFFFFF) Hex(717B6F) Hex(8A9588) Hex(A5B0A2) Hex(C0CBBD) Hex(DCE7D9) Hex(F8FFF5)

	Hex(414B3F)	Hex(FFFFFF)	Hex(717B6F)	Hex(8A9588)	Hex(A5B0A2)	Hex(C0CBBD)	Hex(DCE7D9)	Hex(F8FFF5)
Hex(414B3F)		Ratio: 9.12 Passed <sup>6</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.92 Failed <sup>5</sup>	Ratio: 4.05 AA 18pt <sup>2</sup>	Ratio: 5.44 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.15 Passed <sup>6</sup>	Ratio: 8.95 Passed <sup>6</sup>
Hex(FFFFFF)	Ratio: 9.12 Passed <sup>6</sup>		Ratio: 4.41 AA 18pt <sup>2</sup>	Ratio: 3.12 AA 18pt <sup>2</sup>	Ratio: 2.25 Failed <sup>5</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>
Hex(717B6F)	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 4.41 AA 18pt <sup>2</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 2.63 Failed <sup>5</sup>	Ratio: 3.46 AA 18pt <sup>2</sup>	Ratio: 4.33 AA 18pt <sup>2</sup>
Hex(8A9588)	Ratio: 2.92 Failed <sup>5</sup>	Ratio: 3.12 AA 18pt <sup>2</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 2.45 Failed <sup>5</sup>	Ratio: 3.06 AA 18pt <sup>2</sup>
Hex(A5B0A2)	Ratio: 4.05 AA 18pt <sup>2</sup>	Ratio: 2.25 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>		Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 2.21 Failed <sup>5</sup>
Hex(C0CBBD)	Ratio: 5.44 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.68 Failed <sup>5</sup>	Ratio: 2.63 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>		Ratio: 1.32 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>
Hex(DCE7D9)	Ratio: 7.15 Passed <sup>6</sup>	Ratio: 1.27 Failed <sup>5</sup>	Ratio: 3.46 AA 18pt <sup>2</sup>	Ratio: 2.45 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 1.32 Failed <sup>5</sup>		Ratio: 1.25 Failed <sup>5</sup>
Hex(F8FFF5)	Ratio: 8.95 Passed <sup>6</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 4.33 AA 18pt <sup>2</sup>	Ratio: 3.06 AA 18pt <sup>2</sup>	Ratio: 2.21 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.25 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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