

# Converting Colors - WCAG Matrix

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

	Hex(11200F)	Hex(F1FFEF)	Hex(3B4C3A)	Hex(526451)	Hex(6B7D69)	Hex(849782)	Hex(9EB29C)	Hex(B9CDB7)	Hex(D5E9D2)
Hex(11200F)		Ratio: 16.40 Passed <sup>6</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 2.67 Failed <sup>5</sup>	Ratio: 3.85 AA 18pt <sup>2</sup>	Ratio: 5.44 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.52 Passed <sup>6</sup>	Ratio: 10.09 Passed <sup>6</sup>	Ratio: 13.27 Passed <sup>6</sup>
Hex(F1FFEF)	Ratio: 16.40 Passed <sup>6</sup>		Ratio: 8.90 Passed <sup>6</sup>	Ratio: 6.15 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.26 AA 18pt <sup>2</sup>	Ratio: 3.01 AA 18pt <sup>2</sup>	Ratio: 2.18 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.24 Failed <sup>5</sup>
Hex(3B4C3A)	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 8.90 Passed <sup>6</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 4.08 AA 18pt <sup>2</sup>	Ratio: 5.47 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.20 Passed <sup>6</sup>
Hex(526451)	Ratio: 2.67 Failed <sup>5</sup>	Ratio: 6.15 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 3.78 AA 18pt <sup>2</sup>	Ratio: 4.97 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(6B7D69)	Ratio: 3.85 AA 18pt <sup>2</sup>	Ratio: 4.26 AA 18pt <sup>2</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 3.45 AA 18pt <sup>2</sup>
Hex(849782)	Ratio: 5.44 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.01 AA 18pt <sup>2</sup>	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.85 Failed <sup>5</sup>	Ratio: 2.44 Failed <sup>5</sup>
Hex(9EB29C)	Ratio: 7.52 Passed <sup>6</sup>	Ratio: 2.18 Failed <sup>5</sup>	Ratio: 4.08 AA 18pt <sup>2</sup>	Ratio: 2.82 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>		Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.76 Failed <sup>5</sup>
Hex(B9CDB7)	Ratio: 10.09 Passed <sup>6</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 5.47 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.78 AA 18pt <sup>2</sup>	Ratio: 2.62 Failed <sup>5</sup>	Ratio: 1.85 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>		Ratio: 1.32 Failed <sup>5</sup>
Hex(D5E9D2)	Ratio: 13.27 Passed <sup>6</sup>	Ratio: 1.24 Failed <sup>5</sup>	Ratio: 7.20 Passed <sup>6</sup>	Ratio: 4.97 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.45 AA 18pt <sup>2</sup>	Ratio: 2.44 Failed <sup>5</sup>	Ratio: 1.76 Failed <sup>5</sup>	Ratio: 1.32 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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