

# Converting Colors - WCAG Matrix

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

	Hex(0F1E1C)	Hex(EFFFFF)	Hex(3A4A47)	Hex(51625F)	Hex(697B78)	Hex(829491)	Hex(9CAFAC)	Hex(B7CAC7)	Hex(D3E7E3)
Hex(0F1E1C)		Ratio: 16.70 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: 5.39 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.48 Passed <sup>6</sup>	Ratio: 10.05 Passed <sup>6</sup>	Ratio: 13.34 Passed <sup>6</sup>
Hex(EFFFFF)	Ratio: 16.70 Passed <sup>6</sup>		Ratio: 9.07 Passed <sup>6</sup>	Ratio: 6.26 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.34 AA 18pt <sup>2</sup>	Ratio: 3.10 AA 18pt <sup>2</sup>	Ratio: 2.23 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>
Hex(3A4A47)	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 9.07 Passed <sup>6</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 2.93 Failed <sup>5</sup>	Ratio: 4.06 AA 18pt <sup>2</sup>	Ratio: 5.46 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.25 Passed <sup>6</sup>
Hex(51625F)	Ratio: 2.67 Failed <sup>5</sup>	Ratio: 6.26 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: 2.80 Failed <sup>5</sup>	Ratio: 3.77 AA 18pt <sup>2</sup>	Ratio: 5.00 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(697B78)	Ratio: 3.85 AA 18pt <sup>2</sup>	Ratio: 4.34 AA 18pt <sup>2</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 3.47 AA 18pt <sup>2</sup>
Hex(829491)	Ratio: 5.39 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.10 AA 18pt <sup>2</sup>	Ratio: 2.93 Failed <sup>5</sup>	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 2.47 Failed <sup>5</sup>
Hex(9CAFAC)	Ratio: 7.48 Passed <sup>6</sup>	Ratio: 2.23 Failed <sup>5</sup>	Ratio: 4.06 AA 18pt <sup>2</sup>	Ratio: 2.80 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>		Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>
Hex(B7CAC7)	Ratio: 10.05 Passed <sup>6</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 5.46 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.77 AA 18pt <sup>2</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 1.86 Failed <sup>5</sup>	Ratio: 1.34 Failed <sup>5</sup>		Ratio: 1.33 Failed <sup>5</sup>
Hex(D3E7E3)	Ratio: 13.34 Passed <sup>6</sup>	Ratio: 1.25 Failed <sup>5</sup>	Ratio: 7.25 Passed <sup>6</sup>	Ratio: 5.00 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.47 AA 18pt <sup>2</sup>	Ratio: 2.47 Failed <sup>5</sup>	Ratio: 1.78 Failed <sup>5</sup>	Ratio: 1.33 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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