

# Converting Colors - WCAG Matrix

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

	Hex(00070F)	Hex(E2E8EF)	Hex(30353A)	Hex(464B51)	Hex(5E6369)	Hex(777C82)	Hex(90969C)	Hex(ABB0B7)	Hex(C6CCD3)
Hex(00070F)		Ratio: 16.41 Passed <sup>6</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 2.30 Failed <sup>5</sup>	Ratio: 3.34 AA 18pt <sup>2</sup>	Ratio: 4.81 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.78 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 9.28 Passed <sup>6</sup>	Ratio: 12.51 Passed <sup>6</sup>
Hex(E2E8EF)	Ratio: 16.41 Passed <sup>6</sup>		Ratio: 10.04 Passed <sup>6</sup>	Ratio: 7.14 Passed <sup>6</sup>	Ratio: 4.91 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.41 AA 18pt <sup>2</sup>	Ratio: 2.42 Failed <sup>5</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>
Hex(30353A)	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 10.04 Passed <sup>6</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 4.14 AA 18pt <sup>2</sup>	Ratio: 5.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.65 Passed <sup>6</sup>
Hex(464B51)	Ratio: 2.30 Failed <sup>5</sup>	Ratio: 7.14 Passed <sup>6</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 4.03 AA 18pt <sup>2</sup>	Ratio: 5.44 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(5E6369)	Ratio: 3.34 AA 18pt <sup>2</sup>	Ratio: 4.91 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.04 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.44 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 2.78 Failed <sup>5</sup>	Ratio: 3.75 AA 18pt <sup>2</sup>
Hex(777C82)	Ratio: 4.81 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.41 AA 18pt <sup>2</sup>	Ratio: 2.94 Failed <sup>5</sup>	Ratio: 2.09 Failed <sup>5</sup>	Ratio: 1.44 Failed <sup>5</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.93 Failed <sup>5</sup>	Ratio: 2.60 Failed <sup>5</sup>
Hex(90969C)	Ratio: 6.78 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 2.42 Failed <sup>5</sup>	Ratio: 4.14 AA 18pt <sup>2</sup>	Ratio: 2.95 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.85 Failed <sup>5</sup>
Hex(ABB0B7)	Ratio: 9.28 Passed <sup>6</sup>	Ratio: 1.77 Failed <sup>5</sup>	Ratio: 5.68 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.03 AA 18pt <sup>2</sup>	Ratio: 2.78 Failed <sup>5</sup>	Ratio: 1.93 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>		Ratio: 1.35 Failed <sup>5</sup>
Hex(C6CCD3)	Ratio: 12.51 Passed <sup>6</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 7.65 Passed <sup>6</sup>	Ratio: 5.44 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.75 AA 18pt <sup>2</sup>	Ratio: 2.60 Failed <sup>5</sup>	Ratio: 1.85 Failed <sup>5</sup>	Ratio: 1.35 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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