

# Converting Colors - WCAG Matrix

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

	Hex(92DABB)	Hex(77BEA0)	Hex(5CA386)	Hex(42886D)	Hex(276F54)	Hex(04563D)	Hex(003E27)	Hex(002813)	Hex(000C00)	Hex(000000)
Hex(92DABB)		Ratio: 1.34 Failed <sup>5</sup>	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 3.72 AA 18pt <sup>2</sup>	Ratio: 5.40 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.55 Passed <sup>6</sup>	Ratio: 9.88 Passed <sup>6</sup>	Ratio: 12.32 Passed <sup>6</sup>	Ratio: 12.97 Passed <sup>6</sup>
Hex(77BEA0)	Ratio: 1.34 Failed <sup>5</sup>		Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 2.77 Failed <sup>5</sup>	Ratio: 4.02 AA 18pt <sup>2</sup>	Ratio: 5.62 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.36 Passed <sup>6</sup>	Ratio: 9.17 Passed <sup>6</sup>	Ratio: 9.66 Passed <sup>6</sup>
Hex(5CA386)	Ratio: 1.84 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>		Ratio: 1.41 Failed <sup>5</sup>	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 2.93 Failed <sup>5</sup>	Ratio: 4.10 AA 18pt <sup>2</sup>	Ratio: 5.36 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 6.69 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.04 Passed <sup>6</sup>
Hex(42886D)	Ratio: 2.61 Failed <sup>5</sup>	Ratio: 1.94 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>		Ratio: 1.43 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 2.89 Failed <sup>5</sup>	Ratio: 3.79 AA 18pt <sup>2</sup>	Ratio: 4.73 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.97 AA <sup>1</sup> AAA 18pt <sup>4</sup>
Hex(276F54)	Ratio: 3.72 AA 18pt <sup>2</sup>	Ratio: 2.77 Failed <sup>5</sup>	Ratio: 2.02 Failed <sup>5</sup>	Ratio: 1.43 Failed <sup>5</sup>		Ratio: 1.45 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 3.31 AA 18pt <sup>2</sup>	Ratio: 3.49 AA 18pt <sup>2</sup>
Hex(04563D)	Ratio: 5.40 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.02 AA 18pt <sup>2</sup>	Ratio: 2.93 Failed <sup>5</sup>	Ratio: 2.07 Failed <sup>5</sup>	Ratio: 1.45 Failed <sup>5</sup>		Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 2.28 Failed <sup>5</sup>	Ratio: 2.40 Failed <sup>5</sup>
Hex(003E27)	Ratio: 7.55 Passed <sup>6</sup>	Ratio: 5.62 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.10 AA 18pt <sup>2</sup>	Ratio: 2.89 Failed <sup>5</sup>	Ratio: 2.03 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>		Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>
Hex(002813)	Ratio: 9.88 Passed <sup>6</sup>	Ratio: 7.36 Passed <sup>6</sup>	Ratio: 5.36 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.79 AA 18pt <sup>2</sup>	Ratio: 2.66 Failed <sup>5</sup>	Ratio: 1.83 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>		Ratio: 1.25 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>
Hex(000C00)	Ratio: 12.32 Passed <sup>6</sup>	Ratio: 9.17 Passed <sup>6</sup>	Ratio: 6.69 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 4.73 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.31 AA 18pt <sup>2</sup>	Ratio: 2.28 Failed <sup>5</sup>	Ratio: 1.63 Failed <sup>5</sup>	Ratio: 1.25 Failed <sup>5</sup>		Ratio: 1.05 Failed <sup>5</sup>
Hex(000000)	Ratio: 12.97 Passed <sup>6</sup>	Ratio: 9.66 Passed <sup>6</sup>	Ratio: 7.04 Passed <sup>6</sup>	Ratio: 4.97 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 3.49 AA 18pt <sup>2</sup>	Ratio: 2.40 Failed <sup>5</sup>	Ratio: 1.72 Failed <sup>5</sup>	Ratio: 1.31 Failed <sup>5</sup>	Ratio: 1.05 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.