

Converting Colors

CIELCh(84, 48.089, 192.182)

Have a look what the booklet for
CIELCh(84, 48.089, 192.182)
contains.

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Color

CIELCh(84, 48.094, 191.832)

Conversions

Conversions Part 1

Format	Color
Hex	00EAE3
RGB	0, 234, 227
RGB Percent	0%, 92%, 89%
CMY	1.0000, 0.0843, 0.1117
CMYK	1.00, 0.00, 0.03, 0.08
HSL	178°, 100%, 46%
HSV	178°, 100%, 92%
XYZ	43.0422, 64.0658, 82.4237
YIQ	163.2360, -137.2170, -51.7850

Conversions

Conversions Part 2

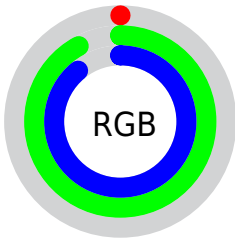
Format	Color
RYB	0, 119, 234
Decimal	60131
CIELab	84.00, -47.07, -9.86
CIELCh	84, 48.094, 191.832
Yxy	64.0658, 0.2271, 0.3380
Android (android.graphics.Color)	4278250211 (0xFF00EAE3)
YUV	163.2360, 31.4357, -143.1580
Hunter-Lab	80.0411, -44.0834, -5.0262

Details

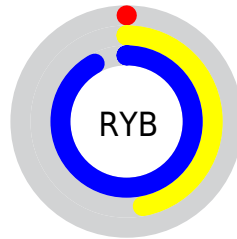
The CIELCh color **84, 48.094, 191.832** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **49, 96.631, 39.090**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.445, 197.005**, and **65, 38.954, 192.155** is the 20% darker color. If you saturate the color by 10%, you get **84, 48.020, 191.829**, and if you desaturate by 10%, it is **84, 47.225, 192.260**.

Distribution



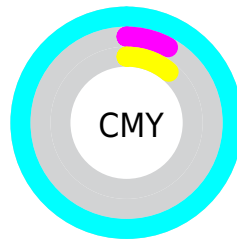
- Red (0%)
- Green (92%)
- Blue (89%)



- Red (0%)
- Yellow (47%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)



- Cyan (100%)
- Magenta (8%)
- Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 48.094, 191.832 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 84, 48.094, 191.832 by changing the saturation by 10% instead.


 84, 48.094,
191.832

 84, 48.094,
191.832


 100, 48.094,
191.832

 74, 48.094,
191.832

 64, 48.094,
191.832

 54, 48.094,
191.832

 44, 48.094,
191.832

 34, 48.094,
191.832

 24, 48.094,
191.832

 14, 48.094,

191.832

■ 4, 48.094, 191.832

■ 0, 48.094, 191.832

■ 84, 48.094,
191.832

■ 84, 48.094,
191.832

■ 84, 48.020,
191.829

■ 84, 47.225,
192.260

■ 84, 45.646,
192.690

■ 85, 43.083,
193.129

■ 85, 39.485,
193.586

■ 86, 34.869,

194.071

■ 87, 29.306,
194.587

■ 88, 22.905,
195.138

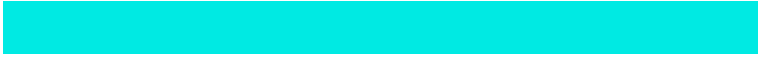
■ 89, 15.796,
195.725

■ 91, 8.116, 196.364

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



84, 48.094, 191.832



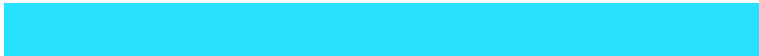
49, 96.631, 39.090

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 48.094, 191.832



84, 48.094, 241.832



84, 48.094, 11.832



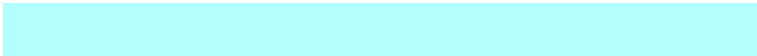
84, 48.094, 61.832

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



84, 48.020, 191.829



95, 24.586, 195.129



81, 111.903, 135.913



50, 16.498, 194.892



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 48.020, 191.829



91, 51.333, 191.807



52, 64.065, 281.357



48, 4.634, 196.401



67, 39.672, 191.901



19, 16.925, 192.543

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49, 96.631, 39.090



53, 103.415, 39.184



60, 81.240, 57.318



46, 4.904, 17.513



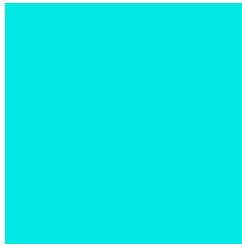
38, 79.519, 38.762



7, 28.407, 21.502

Previews

White Background



This preview shows how the CIE LCh color 84, 48.094, 191.832 looks on a white background.

Color Contrast Check

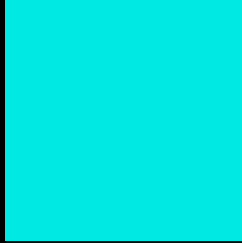
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 84, 48.094, 191.832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

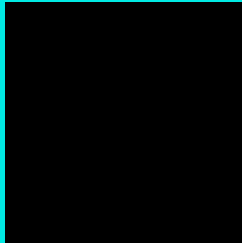
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

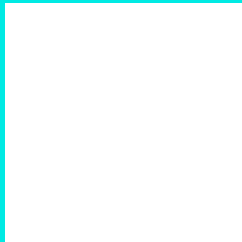
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 48.094, 191.832

Background



This preview shows how black text looks on a background with the CIELCh color 84, 48.094, 191.832.



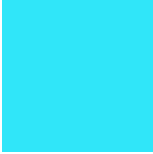
This preview shows how white text looks on a background with the CIELCh color 84, 48.094, 191.832.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
84, 42.649, 210.571

Trichromacy



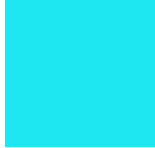
Original Color
84, 48.094, 191.832



Protanomaly
82, 26.481, 196.412



Deuteranomaly
81, 24.968, 220.637

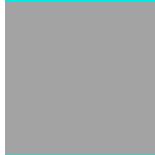


Tritanomaly
84, 44.358, 203.516

Monochromacy



Original Color
84, 48.094, 191.832



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 27.239, 193.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 48.094, 191.832 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 234, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 227)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 234, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 48.094, 191.832 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 234, 227) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 234, 227) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 234, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 48.094, 191.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 227) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 234,  
227) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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