

Converting Colors

CIELCh(84, 46.822, 196.909)

Have a look what the booklet for
CIELCh(84, 46.822, 196.909)
contains.

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Color

CIELCh(84, 46.668, 197.056)

Conversions

Conversions Part 1

Format	Color
Hex	00E9EA
RGB	0, 233, 234
RGB Percent	0%, 91%, 92%
CMY	1.0000, 0.0872, 0.0832
CMYK	1.00, 0.00, 0.00, 0.08
HSL	180°, 100%, 46%
HSV	180°, 100%, 92%
XYZ	43.8737, 64.0658, 87.7247
YIQ	163.4470, -139.1890, -49.0850

Conversions

Conversions Part 2

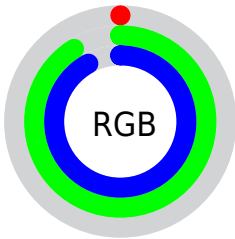
Format	Color
RYB	0, 117, 234
Decimal	59882
CIELab	84.00, -44.62, -13.69
CIELCh	84, 46.668, 197.056
Yxy	64.0658, 0.2242, 0.3274
Android (android.graphics.Color)	4278249962 (0xFF00E9EA)
YUV	163.4470, 34.7826, -143.3430
Hunter-Lab	80.0411, -42.2291, -8.9528

Details

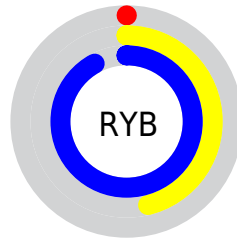
The CIELCh color **84, 46.668, 197.056** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **49, 97.867, 40.034**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.445, 197.005**, and **65, 37.660, 198.137** is the 20% darker color. If you saturate the color by 10%, you get **84, 46.634, 197.057**, and if you desaturate by 10%, it is **84, 46.004, 197.038**.

Distribution



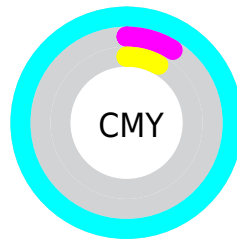
- Red (0%)
- Green (91%)
- Blue (92%)



- Red (0%)
- Yellow (46%)
- Blue (92%)



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





- Cyan (100%)
- Magenta (9%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 46.668, 197.056 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, 46.668, 197.056 by changing the saturation by 10% instead.


 84, 46.668,
197.056


 84, 46.668,
197.056


 100, 46.668,
197.056


 74, 46.668,
197.056

 64, 46.668,
197.056

 54, 46.668,
197.056

 44, 46.668,
197.056

 34, 46.668,
197.056

 24, 46.668,
197.056

 14, 46.668,

197.056

■ 4, 46.668, 197.056

■ 0, 46.668, 197.056

■ 84, 46.668,
197.056

■ 84, 46.668,
197.056

■ 84, 46.634,
197.057

■ 84, 46.004,
197.038

■ 84, 44.597,
197.075

■ 85, 42.210,
197.181

■ 85, 38.787,
197.359

■ 86, 34.338,

197.611

■ 87, 28.928,
197.934

■ 88, 22.659,
198.325

■ 89, 15.659,
198.779

■ 91, 8.061, 199.308

Harmonies

Complementary

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



84, 46.668, 197.056



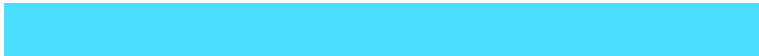
49, 97.867, 40.034

Rectangle

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



84, 46.668, 197.056



84, 46.668, 247.056



84, 46.668, 17.056



84, 46.668, 67.056

Sweetspot

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



84, 46.634, 197.057



95, 24.300, 198.319



81, 112.157, 136.016



50, 16.291, 198.146



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, 46.634, 197.057



91, 49.801, 197.061



50, 68.648, 284.800



48, 4.599, 199.340



67, 38.515, 197.046



19, 16.508, 196.949

Inverse Universe

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



55, 107.847, 328.405



60, 115.174, 328.406



62, 80.069, 59.978



46, 8.433, 325.056



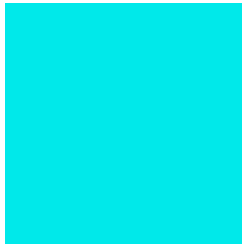
43, 89.066, 328.403



9, 38.158, 328.378

Previews

White Background



This preview shows how the CIELCh color 84, 46.668, 197.056 looks on a white background.

Color Contrast Check

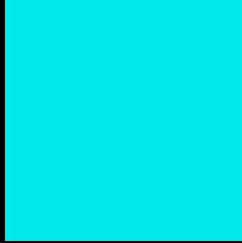
Large Text (above 18pt) WCAG AA × Fail

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, 46.668, 197.056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

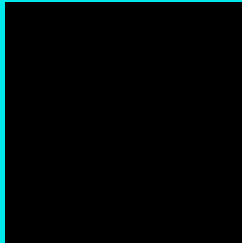
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 46.668, 197.056

Background



This preview shows how black text looks on a background with the CIELCh color 84, 46.668, 197.056.

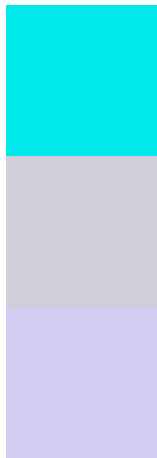


This preview shows how white text looks on a background with the CIELCh color 84, 46.668, 197.056.

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](#).

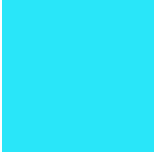
Dichromacy



Original Color
84, 46.668, 197.056

Protanopia
83, 6.453, 300.253

Deuteranopia
83, 19.872, 300.718

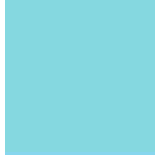


Tritanopia
84, 43.154, 210.378

Trichromacy



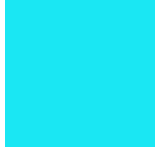
Original Color
84, 46.668, 197.056



Protanomaly
82, 26.068, 207.130



Deuteranomaly
82, 26.554, 226.888



Tritanomaly
84, 44.452, 204.906

Monochromacy



Original Color
84, 46.668, 197.056



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 26.566, 198.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 46.668, 197.056 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, 233, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 234)  
}
```

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, 233, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 46.668, 197.056 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, 233, 234) }
```

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

```
.border{ border-color:rgb(0, 233, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 233, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 46.668, 197.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 234) }
```

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

```
.background{ background-color: rgb(0, 233,  
234) }
```

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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