

Converting Colors

CIELCh(84, 46.945, 196.626)

Have a look what the booklet for
CIELCh(84, 46.945, 196.626)
contains.

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Color

CIELCh(84, 46.809, 196.386)

Conversions

Conversions Part 1

Format	Color
Hex	00E9E9
RGB	0, 233, 233
RGB Percent	0%, 91%, 91%
CMY	1.0000, 0.0868, 0.0868
CMYK	1.00, 0.00, 0.00, 0.09
HSL	180°, 100%, 46%
HSV	180°, 100%, 91%
XYZ	43.7742, 64.0658, 87.0436
YIQ	163.3330, -138.8680, -49.3960

Conversions

Conversions Part 2

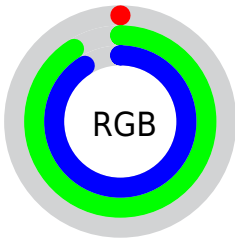
Format	Color
RYB	0, 117, 233
Decimal	59881
CIELab	84.00, -44.91, -13.21
CIELCh	84, 46.809, 196.386
Yxy	64.0658, 0.2246, 0.3287
Android (android.graphics.Color)	4278249961 (0xFF00E9E9)
YUV	163.3330, 34.3458, -143.2430
Hunter-Lab	80.0411, -42.4509, -8.4483

Details

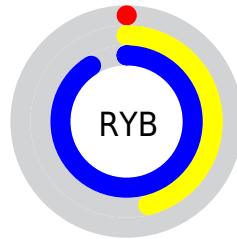
The CIELCh color **84, 46.809, 196.386** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **49, 97.632, 40.000**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.445, 197.005**, and **65, 37.800, 197.258** is the 20% darker color. If you saturate the color by 10%, you get **84, 46.788, 196.386**, and if you desaturate by 10%, it is **84, 46.131, 196.426**.

Distribution



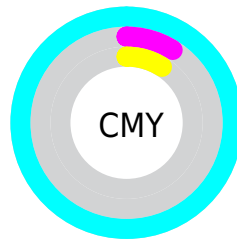
- Red (0%)
- Green (91%)
- Blue (91%)



- Red (0%)
- Yellow (46%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 46.809, 196.386 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, 46.809, 196.386 by changing the saturation by 10% instead.

 84, 46.809,
196.386

 84, 46.809,
196.386

 100, 46.809,
196.386


 74, 46.809,
196.386

 64, 46.809,
196.386

 54, 46.809,
196.386

 44, 46.809,
196.386

 34, 46.809,
196.386

 24, 46.809,
196.386

 14, 46.809,

196.386

■ 4, 46.809, 196.386

■ 0, 46.809, 196.386

■ 84, 46.809,
196.386

■ 84, 46.809,
196.386

■ 84, 46.788,
196.386

■ 84, 46.131,
196.426

■ 84, 44.700,
196.514

■ 85, 42.294,
196.663

■ 85, 38.855,
196.877

■ 86, 34.392,

197.159

■ 87, 28.970,
197.507

■ 88, 22.690,
197.919

■ 89, 15.679,
198.391

■ 91, 8.071, 198.935

Harmonies

Complementary

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



84, 46.809, 196.386



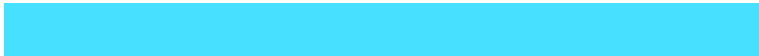
49, 97.632, 40.000

Rectangle

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



84, 46.809, 196.386



84, 46.809, 246.386



84, 46.809, 16.386



84, 46.809, 66.386

Sweetspot

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



84, 46.788, 196.386



95, 24.410, 197.912



81, 111.746, 135.964



50, 16.366, 197.731



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, 46.788, 196.386



91, 50.115, 196.386



51, 66.148, 283.118



48, 4.619, 198.968



67, 38.752, 196.386



19, 16.595, 196.386

Inverse Universe

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



49, 97.632, 40.000



53, 104.575, 40.000



61, 80.425, 58.634



46, 4.905, 19.937



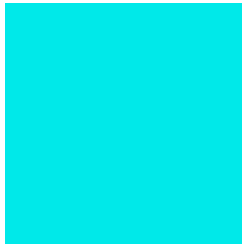
38, 80.847, 39.986



7, 28.535, 22.715

Previews

White Background



This preview shows how the CIE LCh color 84, 46.809, 196.386 looks on a white background.

Color Contrast Check

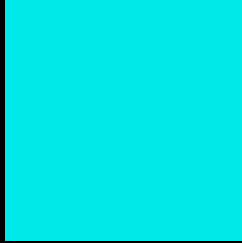
Large Text (above 18pt) WCAG AA × Fail

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, 46.809, 196.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

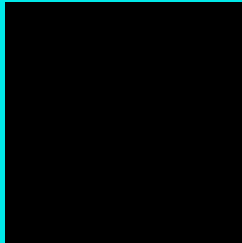
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 46.809, 196.386

Background



This preview shows how black text looks on a background with the CIELCh color 84, 46.809, 196.386.

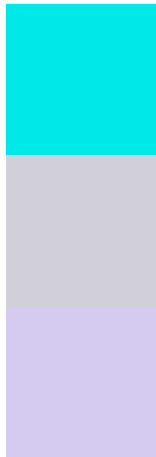


This preview shows how white text looks on a background with the CIELCh color 84, 46.809, 196.386.

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, 46.809, 196.386

Protanopia

84, 5.345, 298.308

Deuteranopia

84, 19.930, 301.692



Tritanopia
84, 43.087, 210.404

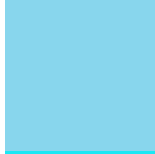
Trichromacy



Original Color
84, 46.809, 196.386



Protanomaly
82, 26.073, 205.925



Deuteranomaly
82, 26.162, 226.026

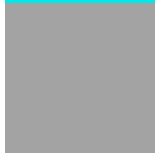


Tritanomaly
84, 44.406, 204.917

Monochromacy



Original Color
84, 46.809, 196.386



Achromatopsia
67, 0.008, 296.813



Achromatomaly
71, 26.656, 197.358

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 46.809, 196.386 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, 233)` looks like.

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

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, 233) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 84, 46.809, 196.386 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, 233) }
```

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

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

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, 233) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 84, 46.809, 196.386 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, 233) }
```

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

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

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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