

Converting Colors

CIELCh(84, 47.220, 194.064)

Have a look what the booklet for
CIELCh(84, 47.220, 194.064)
contains.

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Color

CIELCh(84, 47.125, 194.403)

Conversions

Conversions Part 1

Format	Color
Hex	06E9E6
RGB	6, 233, 230
RGB Percent	2%, 91%, 90%
CMY	0.9748, 0.0860, 0.0978
CMYK	0.97, 0.00, 0.01, 0.09
HSL	179°, 95%, 47%
HSV	179°, 97%, 91%
XYZ	43.5243, 64.0658, 84.9736
YIQ	164.7850, -134.3290, -49.0570

Conversions

Conversions Part 2

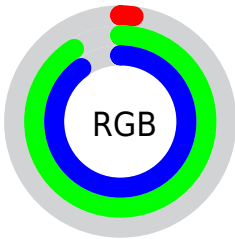
Format	Color
RYB	6, 120, 233
Decimal	453094
CIELab	84.00, -45.64, -11.72
CIELCh	84, 47.125, 194.403
Yxy	64.0658, 0.2260, 0.3327
Android (android.graphics.Color)	4278643174 (0xFF06E9E6)
YUV	164.7850, 32.1510, -139.2544
Hunter-Lab	80.0411, -43.0082, -6.9150

Details

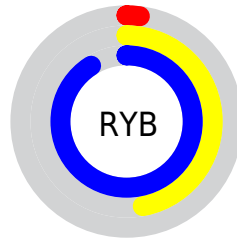
The CIELCh color **84, 47.125, 194.403** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **49, 95.751, 39.005**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **65, 38.103, 195.521** is the 20% darker color. If you saturate the color by 10%, you get **84, 47.287, 194.343**, and if you desaturate by 10%, it is **84, 46.255, 194.625**.

Distribution



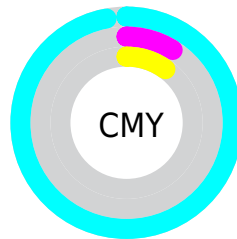
- Red (2%)
- Green (91%)
- Blue (90%)



- Red (2%)
- Yellow (47%)
- Blue (91%)



- Cyan (97%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



- Cyan (97%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 47.125, 194.403 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, 47.125, 194.403 by changing the saturation by 10% instead.


 84, 47.125,
194.403

 84, 47.125,
194.403


 100, 47.125,
194.403

 74, 47.125,
194.403

 64, 47.125,
194.403

 54, 47.125,
194.403

 44, 47.125,
194.403

 34, 47.125,
194.403

 24, 47.125,
194.403

 14, 47.125,

194.403

■ 4, 47.125, 194.403

■ 0, 47.125, 194.403

■ 84, 47.125,
194.403

■ 84, 47.125,
194.403

■ 84, 47.287,
194.343

■ 84, 46.255,
194.625

■ 84, 44.503,
194.878

■ 85, 41.750,
195.170

■ 85, 37.959,
195.508

■ 86, 33.161,

195.896

■ 87, 27.435,
196.334

■ 88, 20.894,
196.823

■ 90, 13.668,
197.362

■ 91, 5.895, 197.982

Harmonies

Complementary

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



84, 47.125, 194.403



49, 95.751, 39.005

Rectangle

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



84, 47.125, 194.403



84, 47.125, 244.403



84, 47.125, 14.403



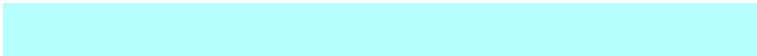
84, 47.125, 64.403

Sweetspot

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



84, 47.124, 194.402



95, 23.757, 196.726



81, 111.231, 136.048



50, 16.027, 196.515



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, 47.124, 194.402



91, 50.620, 194.333



52, 64.365, 281.880



48, 4.625, 197.830



67, 39.134, 194.375



19, 16.733, 194.667

Inverse Universe

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



49, 95.751, 39.005



53, 104.048, 39.634



62, 79.086, 59.367



46, 4.904, 18.864



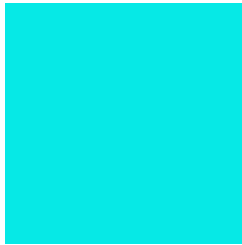
38, 80.245, 39.441



7, 28.477, 22.179

Previews

White Background



This preview shows how the CIE LCh color 84, 47.125, 194.403 looks on a white background.

Color Contrast Check

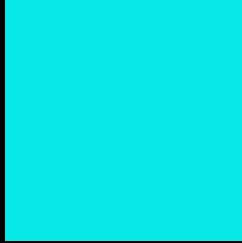
Large Text (above 18pt) WCAG AA × Fail

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, 47.125, 194.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

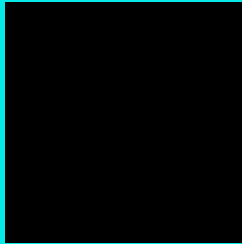
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 47.125, 194.403

Background



This preview shows how black text looks on a background with the CIELCh color 84, 47.125, 194.403.

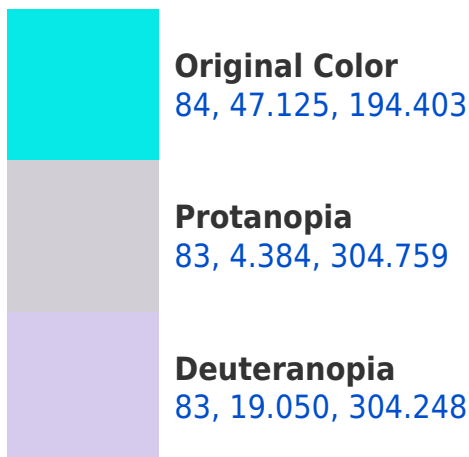


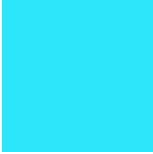
This preview shows how white text looks on a background with the CIELCh color 84, 47.125, 194.403.

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, 42.875, 210.484

Trichromacy



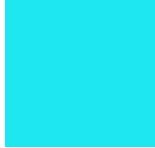
Original Color
84, 47.125, 194.403



Protanomaly
82, 25.629, 202.451



Deuteranomaly
81, 24.929, 224.805



Tritanomaly
84, 44.281, 204.239

Monochromacy



Original Color
84, 47.125, 194.403



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 26.512, 196.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 47.125, 194.403 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(6, 233, 230)` looks like.

```
.text, #text, p{  
    color:rgb(6, 233, 230)  
}
```

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(6, 233, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 233, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 47.125, 194.403 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(6, 233, 230) }
```

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

```
.border{ border-color:rgb(6, 233, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 233, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 233, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 233, 230);  
box-shadow:4px 4px 4px 4px rgb(6, 233,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 47.125, 194.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 233, 230) }
```

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

```
.background{ background-color: rgb(6, 233,  
230) }
```

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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