

Converting Colors

CIELCh(84, 39.466, 196.816)

Have a look what the booklet for
CIELCh(84, 39.466, 196.816)
contains.

CIELCh(84, 39.466, 196.816)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(84, 39.466, 196.816)

Conversions

Conversions Part 1

Format	Color
Hex	56E6E6
RGB	86, 230, 230
RGB Percent	34%, 90%, 90%
CMY	0.6643, 0.0993, 0.0993
CMYK	0.63, 0.00, 0.00, 0.10
HSL	180°, 74%, 62%
HSV	180°, 63%, 90%
XYZ	46.2439, 64.0658, 84.5529
YIQ	186.9440, -85.8240, -30.5280

Conversions

Conversions Part 2

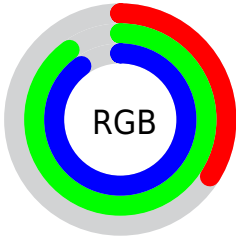
Format	Color
R_{YB}	86, 158, 230
Decimal	5695206
CIE _{Lab}	84.00, -37.78, -11.42
CIE _{LCh}	84, 39.466, 196.816
Yxy	64.0658, 0.2373, 0.3288
Android (android.graphics.Color)	4283885286 (0xFF56E6E6)
YUV	186.9440, 21.2266, -88.5279
Hunter-Lab	80.0411, -36.9431, -6.6033

Details

The CIELCh color **84, 39.466, 196.816** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **56, 63.448, 28.342**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.646, 197.470**, and **64, 37.480, 197.267** is the 20% darker color. If you saturate the color by 10%, you get **84, 42.592, 196.618**, and if you desaturate by 10%, it is **85, 35.320, 197.078**.

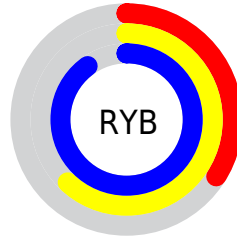
Distribution



Red (34%)

Green (90%)

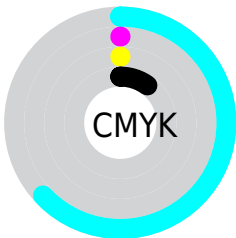
Blue (90%)



Red (34%)

Yellow (62%)

Blue (90%)

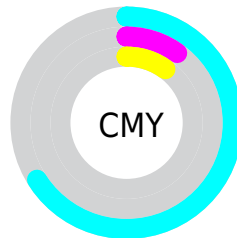


Cyan (63%)

Magenta (0%)

Yellow (0%)

Black (10%)



Cyan (66%)


Magenta (10%)


Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 39.466, 196.816 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, 39.466, 196.816 by changing the saturation by 10% instead.


 84, 39.466,
196.816

 84, 39.466,
196.816


 100, 39.466,
196.816


 74, 39.466,
196.816

 64, 39.466,
196.816

 54, 39.466,
196.816

 44, 39.466,
196.816

 34, 39.466,
196.816

 24, 39.466,
196.816

 14, 39.466,

196.816

■ 4, 39.466, 196.816

■ 0, 39.466, 196.816

■ 84, 39.466,
196.816

■ 84, 39.466,
196.816

■ 84, 42.592,
196.618

■ 85, 35.320,
197.078

■ 83, 44.705,
196.486

■ 85, 30.205,
197.408

■ 83, 45.882,
196.414

■ 87, 24.212,
197.802

■ 83, 46.304,
196.388

■ 88, 17.461,
198.258

■ 89, 10.085,

198.778

■ 91, 2.215, 199.530

■ 92, 6.026, 19.722

■ 93, 9.192, 19.979

■ 93, 9.192, 19.979

Harmonies

Complementary

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



84, 39.466, 196.816



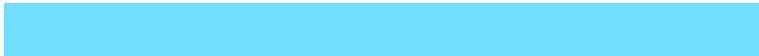
56, 63.448, 28.342

Rectangle

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



84, 39.466, 196.816



84, 39.466, 246.816



84, 39.466, 16.816



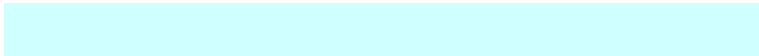
84, 39.466, 66.816

Sweetspot

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



84, 39.466, 196.815



97, 16.080, 198.438



81, 87.163, 138.878



51, 10.963, 198.294



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, 39.466, 196.815



92, 46.822, 196.576



63, 43.100, 269.015



47, 4.537, 198.970



66, 38.346, 196.388



18, 16.091, 196.387

Inverse Universe

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



61, 86.060, 327.552



63, 105.187, 327.922



71, 51.701, 67.442



45, 8.306, 324.941



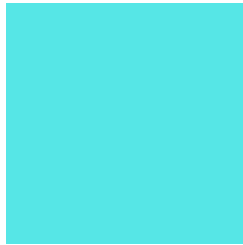
42, 88.427, 328.233



9, 37.108, 328.233

Previews

White Background



This preview shows how the CIE LCh color 84, 39.466, 196.816 looks on a white background.

Color Contrast Check

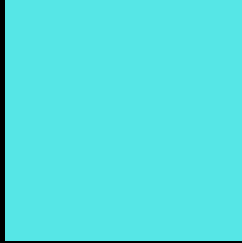
Large Text (above 18pt) WCAG AA × Fail

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, 39.466, 196.816 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, 39.466, 196.816

Background



This preview shows how black text looks on a background with the CIELCh color 84, 39.466, 196.816.

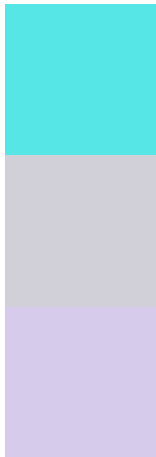


This preview shows how white text looks on a background with the CIELCh color 84, 39.466, 196.816.

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](#).

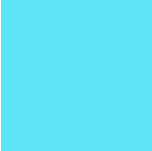
Dichromacy



Original Color
84, 39.466, 196.816

Protanopia
84, 4.823, 299.118

Deuteranopia
84, 18.006, 304.939



Tritanopia
84, 36.825, 213.148

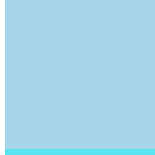
Trichromacy



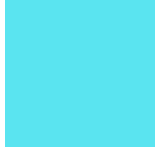
Original Color
84, 39.466, 196.816



Protanomaly
83, 17.181, 208.988



Deuteranomaly
83, 18.050, 236.812

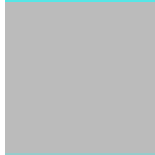


Tritanomaly
84, 37.518, 206.858

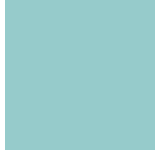
Monochromacy



Original Color
84, 39.466, 196.816



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 17.942, 198.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 39.466, 196.816 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(86, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(86, 230, 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(86, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 230, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 39.466, 196.816 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(86, 230, 230) }
```

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

```
.border{ border-color:rgb(86, 230, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(86, 230,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 39.466, 196.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 230, 230) }
```

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

```
.background{ background-color: rgb(86, 230,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor