

Converting Colors

CIELCh(84, 39.032, 196.832)

Have a look what the booklet for
CIELCh(84, 39.032, 196.832)
contains.

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Color

CIELCh(84, 38.948, 196.841)

Conversions

Conversions Part 1

Format	Color
Hex	59E5E5
RGB	89, 229, 229
RGB Percent	35%, 90%, 90%
CMY	0.6528, 0.1002, 0.1002
CMYK	0.61, 0.00, 0.00, 0.10
HSL	180°, 73%, 62%
HSV	180°, 61%, 90%
XYZ	46.4208, 64.0658, 84.3687
YIQ	187.1400, -83.4400, -29.6800

Conversions

Conversions Part 2

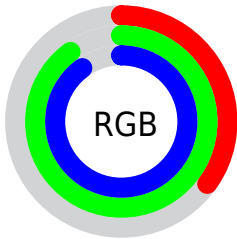
Format	Color
RYB	89, 159, 229
Decimal	5891557
CIELab	84.00, -37.28, -11.28
CIElCh	84, 38.948, 196.841
Yxy	64.0658, 0.2382, 0.3288
Android (android.graphics.Color)	4284081637 (0xFF59E5E5)
YUV	187.1400, 20.6370, -86.0688
Hunter-Lab	80.0411, -36.5486, -6.4669

Details

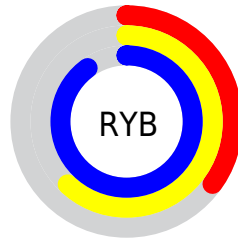
The CIELCh color **84, 38.948, 196.841** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **57, 61.916, 27.965**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.155, 197.500**, and **64, 37.320, 197.272** is the 20% darker color. If you saturate the color by 10%, you get **84, 42.207, 196.634**, and if you desaturate by 10%, it is **85, 34.673, 197.112**.

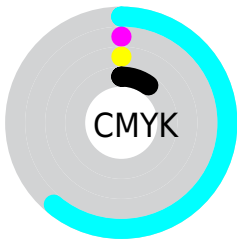
Distribution



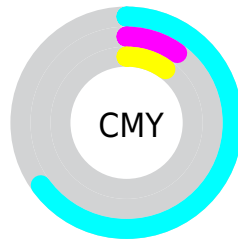
- Red (35%)
- Green (90%)
- Blue (90%)



- Red (35%)
- Yellow (62%)
- Blue (90%)



- Cyan (61%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (65%)
- Magenta (10%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 38.948, 196.841 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, 38.948, 196.841 by changing the saturation by 10% instead.


 84, 38.948,
196.841

 84, 38.948,
196.841


 100, 38.948,
196.841


 74, 38.948,
196.841

 64, 38.948,
196.841

 54, 38.948,
196.841

 44, 38.948,
196.841

 34, 38.948,
196.841

 24, 38.948,
196.841

 14, 38.948,

196.841

■ 4, 38.948, 196.841

■ 0, 38.948, 196.841

■ 84, 38.948,
196.841

■ 84, 38.948,
196.841

■ 84, 42.207,
196.634

■ 85, 34.673,
197.112

■ 83, 44.450,
196.493

■ 86, 29.440,
197.451

■ 83, 45.743,
196.413

■ 87, 23.345,
197.854

■ 83, 46.271,
196.379

■ 88, 16.510,
198.318

■ 89, 9.067, 198.849

■ 91, 1.147, 199.856

■ 93, 7.127, 19.811

■ 93, 9.280, 19.979

■ 93, 9.280, 19.976

Harmonies

Complementary

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



84, 38.948, 196.841



57, 61.916, 27.965

Rectangle

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



84, 38.948, 196.841



84, 38.948, 246.841



84, 38.948, 16.841



84, 38.948, 66.841

Sweetspot

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



84, 38.948, 196.839



97, 15.282, 198.484



81, 85.301, 138.758



51, 10.520, 198.336



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, 38.948, 196.839



92, 46.563, 196.585



64, 41.230, 266.670



47, 4.537, 198.965



66, 38.348, 196.380



18, 16.092, 196.381

Inverse Universe

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



57, 61.916, 27.965



58, 82.557, 32.099



70, 50.362, 66.023



45, 4.817, 19.931



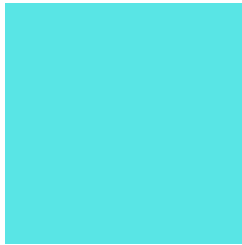
37, 79.982, 39.970



6, 27.105, 21.756

Previews

White Background



This preview shows how the CIE LCh color 84, 38.948, 196.841 looks on a white background.

Color Contrast Check

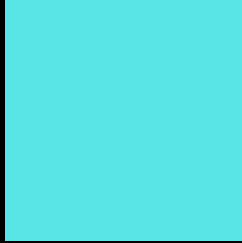
Large Text (above 18pt) WCAG AA × Fail

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, 38.948, 196.841 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, 38.948, 196.841

Background



This preview shows how black text looks on a background with the CIELCh color 84, 38.948, 196.841.

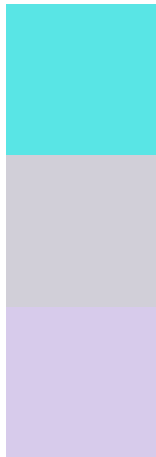


This preview shows how white text looks on a background with the CIELCh color 84, 38.948, 196.841.

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, 38.783, 196.851

Protanopia
84, 4.823, 299.118

Deuteranopia
84, 17.494, 305.321



Tritanopia
84, 36.318, 212.517

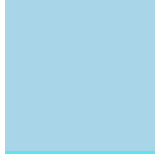
Trichromacy



Original Color
84, 38.783, 196.851



Protanomaly
83, 16.881, 209.199



Deuteranomaly
83, 17.535, 235.931

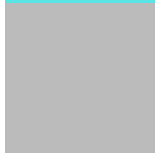


Tritanomaly
84, 37.063, 206.158

Monochromacy



Original Color
84, 38.783, 196.851



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 17.335, 198.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 38.948, 196.841 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(89, 229, 229)` looks like.

```
.text, #text, p{  
    color:rgb(89, 229, 229)  
}
```

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(89, 229, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 229, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 38.948, 196.841 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(89, 229, 229) }
```

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

```
.border{ border-color:rgb(89, 229, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 229, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 229, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 229, 229);  
box-shadow:4px 4px 4px 4px rgb(89, 229,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 38.948, 196.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 229, 229) }
```

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

```
.background{ background-color: rgb(89, 229,  
229) }
```

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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