

Converting Colors

CIELCh(84, 31.736, 207.230)

Have a look what the booklet for
CIELCh(84, 31.736, 207.230)
contains.

CIELCh(84, 31.921, 206.967)	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, 31.921, 206.967)

Conversions

Conversions Part 1

Format	Color
Hex	76E2EC
RGB	118, 226, 236
RGB Percent	46%, 89%, 93%
CMY	0.5387, 0.1151, 0.0759
CMYK	0.50, 0.04, 0.00, 0.08
HSL	185°, 75%, 69%
HSV	185°, 50%, 92%
XYZ	49.6134, 64.0658, 88.8430
YIQ	194.8480, -67.5780, -19.7860

Conversions

Conversions Part 2

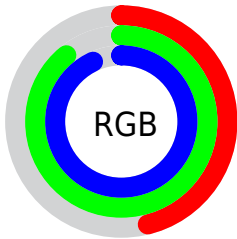
Format	Color
RYB	118, 174, 236
Decimal	7791340
CIELab	84.00, -28.45, -14.48
CIELCh	84, 31.921, 206.967
Yxy	64.0658, 0.2450, 0.3163
Android (android.graphics.Color)	4285981420 (0xFF76E2EC)
YUV	194.8480, 20.2879, -67.3957
Hunter-Lab	80.0411, -29.4289, -9.7812

Details

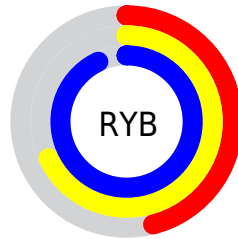
The CIELCh color **84, 31.921, 206.967** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **65, 47.080, 30.787**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 24.830, 197.886**, and **64, 31.805, 207.130** is the 20% darker color. If you saturate the color by 10%, you get **83, 35.990, 207.373**, and if you desaturate by 10%, it is **86, 26.930, 206.742**.

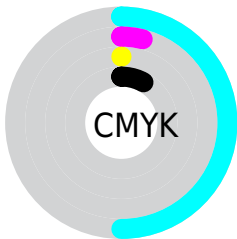
Distribution



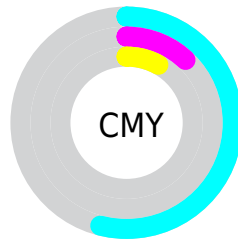
- Red (46%)
- Green (89%)
- Blue (93%)



- Red (46%)
- Yellow (68%)
- Blue (93%)



- Cyan (50%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)





- Cyan (54%)
- Magenta (12%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 31.921, 206.967 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, 31.921, 206.967 by changing the saturation by 10% instead.


 84, 31.921,
206.967


 84, 31.921,
206.967


 100, 31.921,
206.967


 74, 31.921,
206.967

 64, 31.921,
206.967

 54, 31.921,
206.967

 44, 31.921,
206.967

 34, 31.921,
206.967

 24, 31.921,
206.967

 14, 31.921,

206.967

■ 4, 31.921, 206.967

■ 0, 31.921, 206.967

■ 84, 31.921,
206.967

■ 84, 31.921,
206.967

■ 83, 35.990,
207.373

■ 86, 26.930,
206.742

■ 82, 39.064,
207.997

■ 87, 21.124,
206.675

■ 81, 41.121,
208.870

■ 89, 14.627,
206.740

■ 80, 42.211,
210.020

■ 91, 7.566, 206.933

■ 79, 42.535,

■ 93, 0.062, 217.311

211.422

95, 6.321, 28.926

96, 5.877, 39.845

96, 5.678, 52.009

97, 5.746, 64.438

Harmonies

Complementary

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



84, 31.921, 206.967



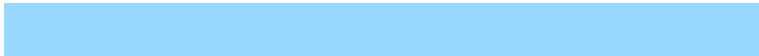
65, 47.080, 30.787

Rectangle

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



84, 31.921, 206.967



84, 31.921, 256.967



84, 31.921, 26.967



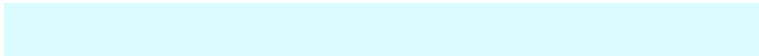
84, 31.921, 76.967

Sweetspot

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



84, 31.921, 206.965



97, 11.835, 206.819



85, 69.506, 142.493



51, 8.022, 206.781



0, 0.000, 0.000



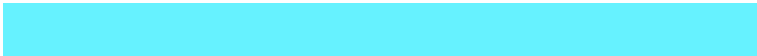
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 31.921, 206.965



89, 38.271, 207.382



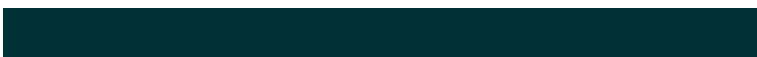
68, 39.661, 273.489



48, 4.256, 206.950



62, 34.960, 211.143



18, 15.150, 208.770

Inverse Universe

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



67, 68.984, 329.682



67, 85.455, 330.217



79, 42.507, 77.115



46, 7.981, 327.334



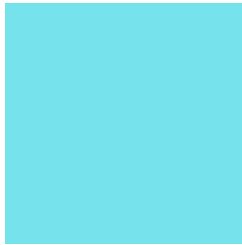
42, 83.626, 331.914



9, 36.159, 331.332

Previews

White Background



This preview shows how the CIE LCh color 84, 31.921, 206.967 looks on a white background.

Color Contrast Check

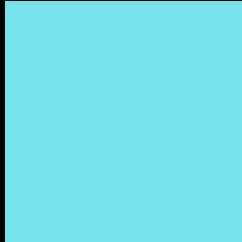
Large Text (above 18pt) WCAG AA × Fail

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, 31.921, 206.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

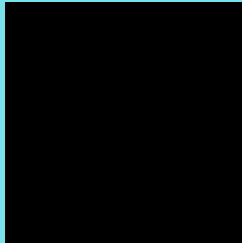
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 31.921, 206.967

Background



This preview shows how black text looks on a background with the CIELCh color 84, 31.921, 206.967.




This preview shows how white text looks on a background with the CIELCh color 84, 31.921, 206.967.

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



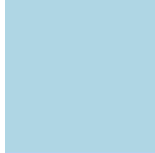


Tritanopia
84, 31.462, 215.247

Trichromacy



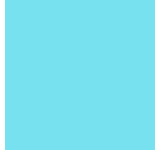
Original Color
84, 31.921, 206.967



Protanomaly
83, 14.757, 228.872



Deuteranomaly
83, 18.004, 254.602

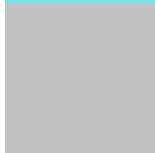


Tritanomaly
84, 31.531, 212.133

Monochromacy



Original Color
84, 31.921, 206.967



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 13.766, 205.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 31.921, 206.967 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(118, 226, 236)` looks like.

```
.text, #text, p{  
    color:rgb(118, 226, 236)  
}
```

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(118, 226, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 226, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 31.921, 206.967 is called "border". The border property can be set on classes, ids or directly on the HTML element.

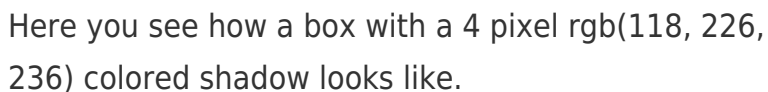
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 226, 236) }
```

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

```
.border{ border-color:rgb(118, 226, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 226, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 226, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 226, 236); box-shadow:4px 4px 4px 4px rgb(118, 226, 236) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 31.921, 206.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 226, 236) }
```

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

```
.background{ background-color: rgb(118,  
226, 236) }
```

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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