

# Converting Colors

CIELCh(74, 31.660, 220.704)

Have a look what the booklet for  
CIELCh(74, 31.660, 220.704)  
contains.

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**Color**

**CIELCh(74, 31.759, 220.760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59C4DB
RGB	89, 196, 219
RGB Percent	35%, 77%, 86%
CMY	0.6511, 0.2315, 0.1413
CMYK	0.59, 0.11, 0.00, 0.14
HSL	191°, 64%, 60%
HSV	191°, 59%, 86%
XYZ	36.6341, 46.7039, 74.0839
YIQ	166.6290, -71.1550, -15.5310

# Conversions

## Conversions Part 2

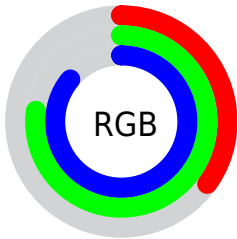
Format	Color
R <sub>Y</sub> B	89, 148, 219
Decimal	5883099
CIE Lab	74.00, -24.06, -20.74
CIE LCh	74, 31.759, 220.760
Yxy	46.7039, 0.2327, 0.2967
Android (android.graphics.Color)	4284073179 (0xFF59C4DB)
YUV	166.6290, 25.8189, -68.0806
Hunter-Lab	68.3403, -23.9098, -16.4348

# Details

The CIELCh color **74, 31.759, 220.760** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **59, 51.024, 38.689**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 31.249, 199.403**, and **54, 31.475, 221.013** is the 20% darker color. If you saturate the color by 10%, you get **72, 34.706, 222.470**, and if you desaturate by 10%, it is **76, 27.982, 219.459**.

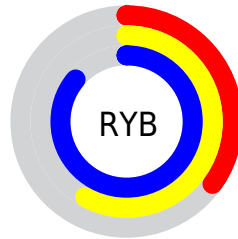
# Distribution



Red (35%)

Green (77%)

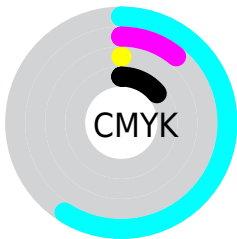
Blue (86%)



Red (35%)

Yellow (58%)

Blue (86%)

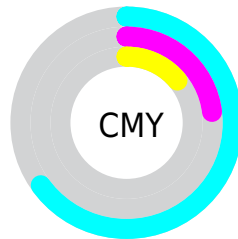


Cyan (59%)

Magenta (11%)

Yellow (0%)

Black (14%)



Cyan (65%)

Magenta (23%)


Yellow (14%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 31.759, 220.760 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 74, 31.759, 220.760 by changing the saturation by 10% instead.





 74, 31.759,  
220.760

 74, 31.759,  
220.760


 100, 31.759,  
220.760


 64, 31.759,  
220.760


 94, 31.759,  
220.760

 54, 31.759,  
220.760

 44, 31.759,  
220.760

 34, 31.759,  
220.760

 24, 31.759,  
220.760

 14, 31.759,  
220.760

 4, 31.759, 220.760

0, 31.759, 220.760

74, 31.759,  
220.760

74, 31.759,  
220.760

72, 34.706,  
222.470

76, 27.982,  
219.459

71, 36.808,  
224.672

78, 23.440,  
218.498

69, 38.120,  
227.433

80, 18.224,  
217.812

68, 38.831,  
230.734

83, 12.439,  
217.350

68, 38.873,  
230.949

85, 6.190, 217.092

88, 0.427, 35.450

90, 7.326, 36.673

■ 92, 11.149, 41.600

■ 93, 10.813, 54.070

# Harmonies

# Complementary

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



74, 31.759, 220.760



59, 51.024, 38.689

# Rectangle

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



74, 31.759, 220.760



74, 31.759, 270.760



74, 31.759, 40.760



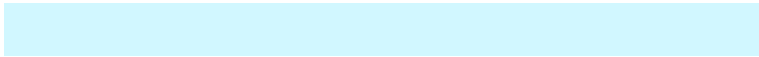
74, 31.759, 90.760

# Sweetspot

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



74, 31.758, 220.759



95, 13.132, 217.308



78, 71.987, 143.747



50, 9.041, 217.416



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



74, 31.758, 220.759



83, 39.546, 222.919



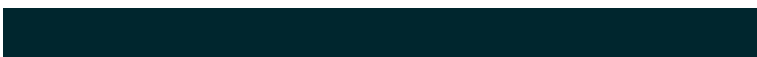
56, 50.128, 282.945



45, 3.756, 217.093



55, 32.643, 230.339



13, 13.121, 223.754



# Inverse Universe

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



58, 70.535, 333.615



63, 90.326, 334.500



74, 49.955, 83.112



43, 7.079, 330.283



39, 75.454, 336.736

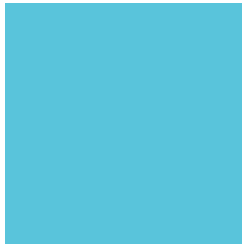


6, 30.512, 334.981



# Previews

## White Background



This preview shows how the CIE LCh color 74, 31.759, 220.760 looks on a white background.

## Color Contrast Check

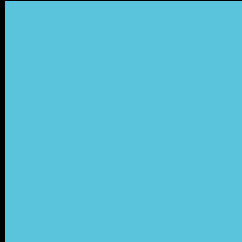
Large Text (above 18pt) WCAG AA × Fail

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 74, 31.759, 220.760 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

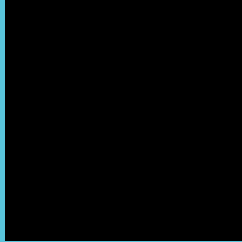
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 74, 31.759, 220.760

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 31.759, 220.760.



This preview shows how white text looks on a background with the CIELCh color 74, 31.759, 220.760.

# 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

74, 31.759, 220.760

### Protanopia

74, 15.747, 287.888

### Deuteranopia

74, 24.972, 292.527





**Tritanopia**  
74, 32.023, 213.115

# Trichromacy



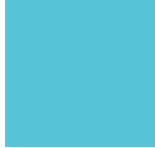
**Original Color**  
74, 31.759, 220.760



**Protanomaly**  
73, 19.420, 248.050



**Deuteranomaly**  
73, 23.589, 260.401

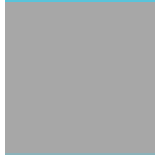


**Tritanomaly**  
74, 31.927, 215.260

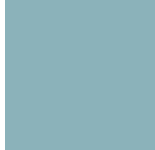
# Monochromacy



**Original Color**  
74, 31.759, 220.760



**Achromatopsia**  
68, 0.008, 296.813



**Achromatomaly**  
70, 14.006, 216.744

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 31.759, 220.760 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, 196, 219)` looks like.

```
.text, #text, p{  
    color:rgb(89, 196, 219)  
}
```

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, 196, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 196, 219) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 31.759, 220.760 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, 196, 219) }
```

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

```
.border{ border-color:rgb(89, 196, 219) }
```

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

Here you see how a box with a 4 pixel rgb(89, 196, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 196, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 196, 219);  
box-shadow:4px 4px 4px 4px rgb(89, 196,  
219) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 31.759, 220.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 196, 219) }
```

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

```
.background{ background-color: rgb(89, 196,  
219) }
```

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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