

Converting Colors

CIELCh(74, 21.623, 222.357)

Have a look what the booklet for
CIELCh(74, 21.623, 222.357)
contains.

CIELCh(74, 21.587, 221.884)	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(74, 21.587, 221.884)

Conversions

Conversions Part 1

Format	Color
Hex	81C0D0
RGB	129, 192, 208
RGB Percent	51%, 75%, 82%
CMY	0.4956, 0.2485, 0.1858
CMYK	0.38, 0.08, 0.00, 0.19
HSL	192°, 45%, 66%
HSV	192°, 38%, 81%
XYZ	39.0990, 46.7039, 66.3786
YIQ	174.9870, -42.6840, -8.3800

Conversions

Conversions Part 2

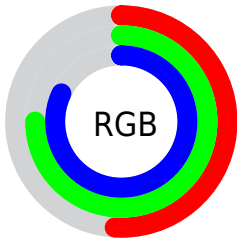
Format	Color
R _Y B	129, 164, 208
Decimal	8503504
CIE Lab	74.00, -16.07, -14.41
CIE LCh	74, 21.587, 221.884
Yxy	46.7039, 0.2569, 0.3069
Android (android.graphics.Color)	4286693584 (0xFF81C0D0)
YUV	174.9870, 16.2754, -40.3306
Hunter-Lab	68.3403, -17.4718, -9.7499

Details

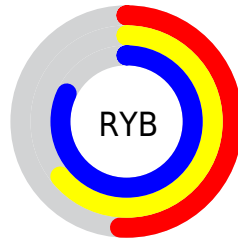
The CIELCh color **74, 21.587, 221.884** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **66, 28.340, 39.614**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 20.483, 208.398**, and **54, 21.548, 223.306** is the 20% darker color. If you saturate the color by 10%, you get **72, 26.027, 223.008**, and if you desaturate by 10%, it is **76, 16.545, 221.051**.

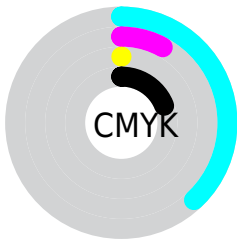
Distribution



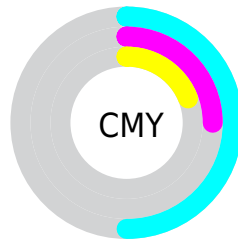
- Red (51%)
- Green (75%)
- Blue (82%)



- Red (51%)
- Yellow (64%)
- Blue (82%)



- Cyan (38%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (50%)
- Magenta (25%)
- Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 21.587, 221.884 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, 21.587, 221.884 by changing the saturation by 10% instead.

 74, 21.587,
221.884

 74, 21.587,
221.884

 100, 21.587,
221.884

 64, 21.587,
221.884


 94, 21.587,
221.884

 54, 21.587,
221.884

 44, 21.587,
221.884

 34, 21.587,
221.884

 24, 21.587,
221.884

 14, 21.587,
221.884

 4, 21.587, 221.884

0, 21.587, 221.884

74, 21.587,
221.884

74, 21.587,
221.884

72, 26.027,
223.008

76, 16.545,
221.051

70, 29.780,
224.503

79, 10.998,
220.464

68, 32.787,
226.446

81, 5.038, 220.104

84, 1.248, 39.269

66, 35.031,
228.923

87, 7.783, 39.478

65, 36.560,
232.009

89, 14.503, 39.431

63, 37.530,
235.705

91, 14.581, 48.438

■ 63, 37.707,
236.448

■ 92, 14.462, 58.737

■ 93, 14.816, 68.847

Harmonies

Complementary

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



74, 21.587, 221.884



66, 28.340, 39.614

Rectangle

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



74, 21.587, 221.884



74, 21.587, 271.884



74, 21.587, 41.884



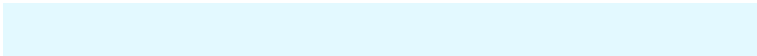
74, 21.587, 91.884

Sweetspot

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



74, 21.587, 221.881



97, 8.074, 220.186



77, 44.486, 147.443



51, 5.406, 220.232



0, 0.000, 0.000



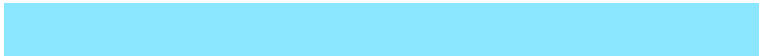
53, 0.007, 296.813

Same Dimension

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



74, 21.587, 221.881



87, 29.662, 222.818



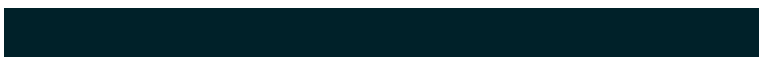
63, 31.480, 279.856



43, 3.561, 220.136



52, 32.203, 235.801



11, 12.196, 227.286

Inverse Universe

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



64, 44.557, 333.100



73, 62.912, 333.705



76, 31.211, 88.840



41, 6.684, 331.171



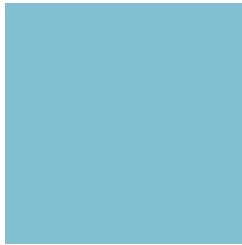
38, 72.438, 338.222



5, 26.606, 335.773

Previews

White Background



This preview shows how the CIELCh color 74, 21.587, 221.884 looks on a white background.

Color Contrast Check

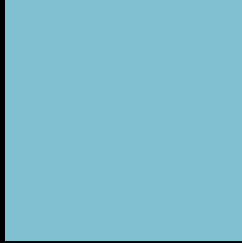
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 74, 21.587, 221.884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

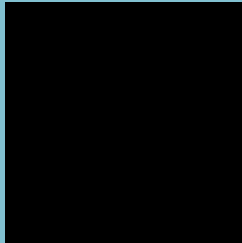
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

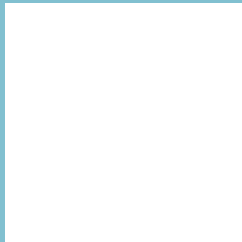
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 21.587, 221.884

Background



This preview shows how black text looks on a background with the CIELCh color 74, 21.587, 221.884.



This preview shows how white text looks on a background with the CIELCh color 74, 21.587, 221.884.

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

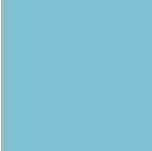
74, 21.587, 221.884

Protanopia

74, 10.844, 289.338

Deuteranopia

74, 18.714, 300.475



Tritanopia
74, 21.704, 220.156

Trichromacy



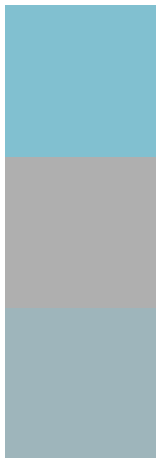
Original Color
74, 21.587, 221.884

Protanomaly
74, 12.786, 252.946

Deuteranomaly
74, 16.187, 269.453

Tritanomaly
74, 21.704, 220.156

Monochromacy



Original Color
74, 21.587, 221.884

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 8.729, 220.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 21.587, 221.884 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(129, 192, 208)` looks like.

```
.text, #text, p{  
    color:rgb(129, 192, 208)  
}
```

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(129, 192, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 192, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 21.587, 221.884 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(129, 192, 208) }
```

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

```
.border{ border-color:rgb(129, 192, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 192, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 192, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 192, 208);  
box-shadow:4px 4px 4px 4px rgb(129, 192,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 21.587, 221.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 192, 208) }
```

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

```
.background{ background-color: rgb(129,  
192, 208) }
```

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