

# Converting Colors

CIELCh(74, 27.187, 251.920)

Have a look what the booklet for  
CIELCh(74, 27.187, 251.920)  
contains.

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# **Color**

**CIELCh(74, 27.196, 251.830)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83BDE5
RGB	131, 189, 229
RGB Percent	51%, 74%, 90%
CMY	0.4875, 0.2600, 0.1032
CMYK	0.43, 0.17, 0.00, 0.10
HSL	204°, 65%, 70%
HSV	204°, 43%, 90%
XYZ	41.5425, 46.7039, 80.7225
YIQ	176.2180, -47.4080, 0.1440

# Conversions

## Conversions Part 2

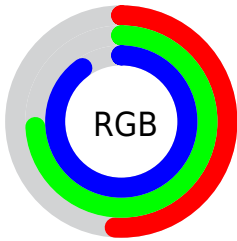
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 167, 229
Decimal	8633829
CIE <sub>Lab</sub>	74.00, -8.48, -25.84
CIE <sub>LCh</sub>	74, 27.196, 251.830
Yxy	46.7039, 0.2459, 0.2764
Android (android.graphics.Color)	4286823909 (0xFF83BDE5)
YUV	176.2180, 26.0215, -39.6562
Hunter-Lab	68.3403, -11.0893, -22.1942

# Details

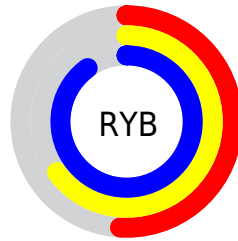
The CIELCh color **74, 27.196, 251.830** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74, 33.176, 60.511**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 18.966, 214.206**, and **54, 27.002, 251.045** is the 20% darker color. If you saturate the color by 10%, you get **70, 32.790, 254.469**, and if you desaturate by 10%, it is **78, 21.271, 249.658**.

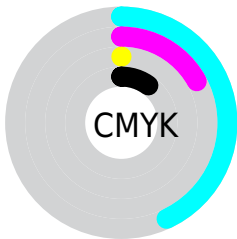
# Distribution



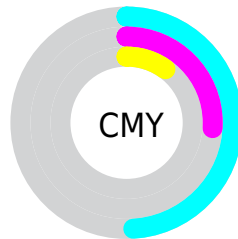
- Red (51%)
- Green (74%)
- Blue (90%)



- Red (51%)
- Yellow (65%)
- Blue (90%)



- Cyan (43%)
- Magenta (17%)
- Yellow (0%)
- Black (10%)




- Cyan (49%)
- Magenta (26%)
- Yellow (10%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 27.196, 251.830 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, 27.196, 251.830 by changing the saturation by 10% instead.




 74, 27.196,  
251.830


 74, 27.196,  
251.830


 100, 27.196,  
251.830


 64, 27.196,  
251.830


 94, 27.196,  
251.830

 54, 27.196,  
251.830

 44, 27.196,  
251.830

 34, 27.196,  
251.830

 24, 27.196,  
251.830

 14, 27.196,  
251.830

 4, 27.196, 251.830

0, 27.196, 251.830

74, 27.196,  
251.830

74, 27.196,  
251.830

70, 32.790,  
254.469

78, 21.271,  
249.658

67, 38.046,  
257.650

82, 15.054,  
247.881

63, 42.995,  
261.422

86, 8.591, 246.437

60, 47.726,  
265.780

90, 1.933, 245.420


94, 4.872, 64.066

57, 52.381,  
270.628

97, 8.959, 84.801

55, 55.787,  
274.193

99, 12.832,  
107.616

 99, 13.317,  
109.171

# Harmonies

# Complementary

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



74, 27.196, 251.830



74, 33.176, 60.511

# Rectangle

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



74, 27.196, 251.830



74, 27.196, 301.830



74, 27.196, 71.830



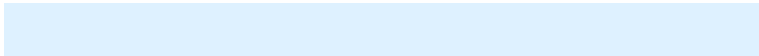
74, 27.196, 121.830

# Sweetspot

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



74, 27.195, 251.829



94, 9.491, 246.466



84, 46.171, 154.533



49, 6.621, 246.761



0, 0.000, 0.000



53, 0.007, 296.813



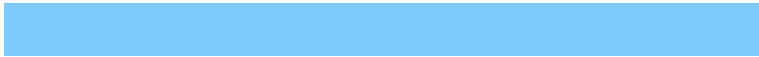


# Same Dimension

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



74, 27.195, 251.829



78, 34.691, 254.027



61, 49.580, 292.138



46, 3.825, 246.020



43, 45.731, 273.310



10, 16.974, 263.918



# Inverse Universe

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



67, 47.153, 342.851



70, 60.494, 343.859



86, 45.317, 101.212



45, 6.235, 339.695



39, 66.665, 353.506

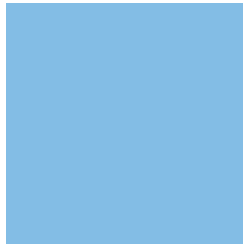


7, 28.736, 348.327



# Previews

## White Background



This preview shows how the CIELCh color 74, 27.196, 251.830 looks on a white background.

## Color Contrast Check

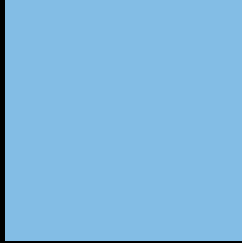
Large Text (above 18pt) WCAG AA × Fail

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, 27.196, 251.830 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

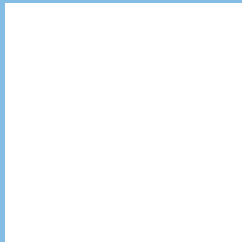
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 74, 27.196, 251.830

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 27.196, 251.830.

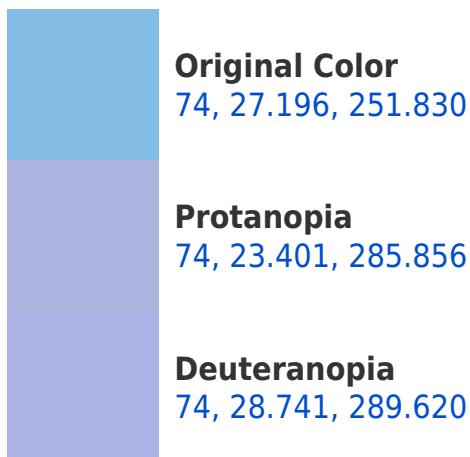


This preview shows how white text looks on a background with the CIELCh color 74, 27.196, 251.830.

# 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

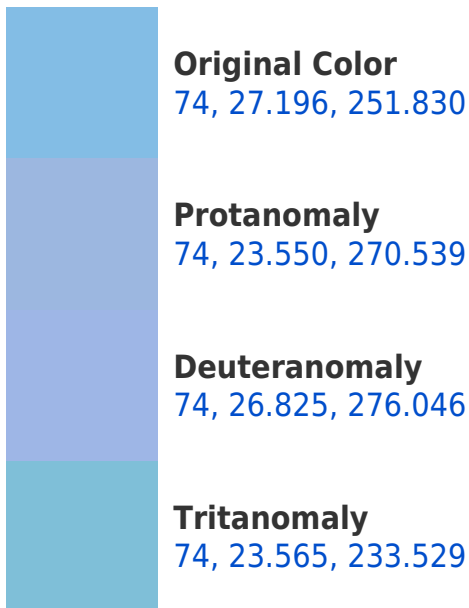




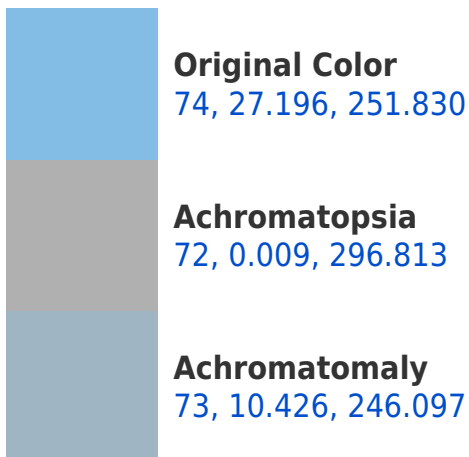


**Tritanopia**  
74, 22.579, 220.715

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 27.196, 251.830 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(131, 189, 229)` looks like.

```
.text, #text, p{  
    color:rgb(131, 189, 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(131, 189, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 189, 229) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 27.196, 251.830 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(131, 189, 229) }
```

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

```
.border{ border-color:rgb(131, 189, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 189, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 189, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 189, 229);  
box-shadow:4px 4px 4px 4px rgb(131, 189,  
229) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 27.196, 251.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 189, 229) }
```

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

```
.background{ background-color: rgb(131,  
189, 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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