

# Converting Colors

CIELCh(72, 21.710, 245.561)

Have a look what the booklet for  
CIELCh(72, 21.710, 245.561)  
contains.

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# **Color**

**CIELCh(72, 21.706, 245.591)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	86B7D4
RGB	134, 183, 212
RGB Percent	53%, 72%, 83%
CMY	0.4747, 0.2826, 0.1688
CMYK	0.37, 0.14, 0.00, 0.17
HSL	202°, 48%, 68%
HSV	202°, 37%, 83%
XYZ	38.6217, 43.6590, 68.6415
YIQ	171.6550, -38.5130, -1.3690

# Conversions

## Conversions Part 2

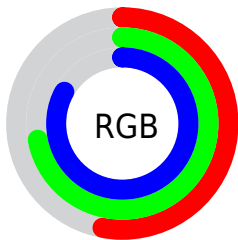
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 164, 212
Decimal	8828884
CIELab	72.00, -8.97, -19.77
CIElCh	72, 21.706, 245.591
Yxy	43.6590, 0.2559, 0.2893
Android (android.graphics.Color)	4287018964 (0xFF86B7D4)
YUV	171.6550, 19.8901, -33.0234
Hunter-Lab	66.0750, -11.2955, -15.3405

# Details

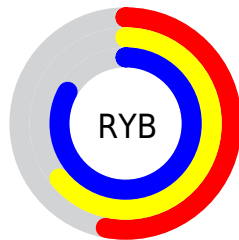
The CIELCh color **72, 21.706, 245.591** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71, 26.230, 57.179**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 17.911, 226.219**, and **52, 21.678, 245.080** is the 20% darker color. If you saturate the color by 10%, you get **69, 26.889, 247.791**, and if you desaturate by 10%, it is **75, 16.169, 243.802**.

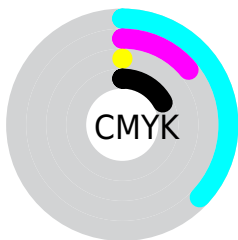
# Distribution



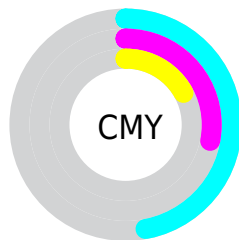
- Red (53%)
- Green (72%)
- Blue (83%)



- Red (53%)
- Yellow (64%)
- Blue (83%)



- Cyan (37%)
- Magenta (14%)
- Yellow (0%)
- Black (17%)




- Cyan (47%)
- Magenta (28%)
- Yellow (17%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 21.706, 245.591 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 72, 21.706, 245.591 by changing the saturation by 10% instead.





 72, 21.706,  
245.591


 72, 21.706,  
245.591


 100, 21.706,  
245.591


 62, 21.706,  
245.591


 92, 21.706,  
245.591

 52, 21.706,  
245.591

 42, 21.706,  
245.591

 32, 21.706,  
245.591

 22, 21.706,  
245.591

 12, 21.706,  
245.591

 2, 21.706, 245.591

0, 21.706, 245.591

72, 21.706,  
245.591

72, 21.706,  
245.591

69, 26.889,  
247.791

75, 16.169,  
243.802

66, 31.682,  
250.491

79, 10.333,  
242.362

62, 36.077,  
253.766

82, 4.253, 241.242

60, 40.112,  
257.665

86, 2.019, 59.919

57, 43.886,  
262.180

90, 8.435, 59.303

54, 47.558,  
267.187

93, 13.212, 64.958

95, 14.800, 83.903

■ 54, 48.771,  
268.770

■ 97, 17.635, 97.852

■ 99, 21.199,  
107.425

# Harmonies

# Complementary

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



72, 21.706, 245.591



71, 26.230, 57.179

# Rectangle

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



72, 21.706, 245.591



72, 21.706, 295.591



72, 21.706, 65.591



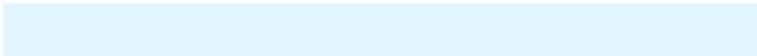
72, 21.706, 115.591

# Sweetspot

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



72, 21.705, 245.588



95, 7.938, 241.681



79, 38.537, 153.834



50, 5.321, 241.836



0, 0.000, 0.000



53, 0.007, 296.813



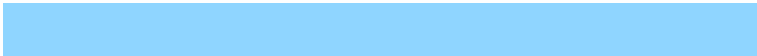


# Same Dimension

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



72, 21.705, 245.588



82, 29.563, 247.236



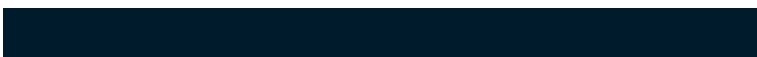
62, 38.021, 289.384



43, 3.565, 241.500



44, 41.090, 267.935



9, 14.275, 256.527



# Inverse Universe

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



65, 39.159, 340.353



73, 54.008, 341.127



81, 35.635, 100.074



42, 6.043, 337.994



37, 65.681, 350.334



5, 25.224, 345.472



# Previews

## White Background



This preview shows how the CIELCh color 72, 21.706, 245.591 looks on a white background.

## Color Contrast Check

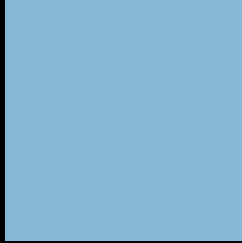
Large Text (above 18pt) WCAG AA × Fail

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 72, 21.706, 245.591 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

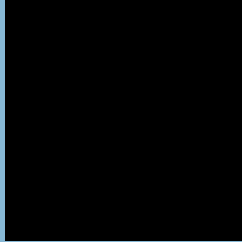
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 72, 21.706, 245.591**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 21.706, 245.591.



This preview shows how white text looks on a background with the CIELCh color 72, 21.706, 245.591.

# 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

72, 21.706, 245.591

### Protanopia

72, 17.475, 287.344

### Deuteranopia

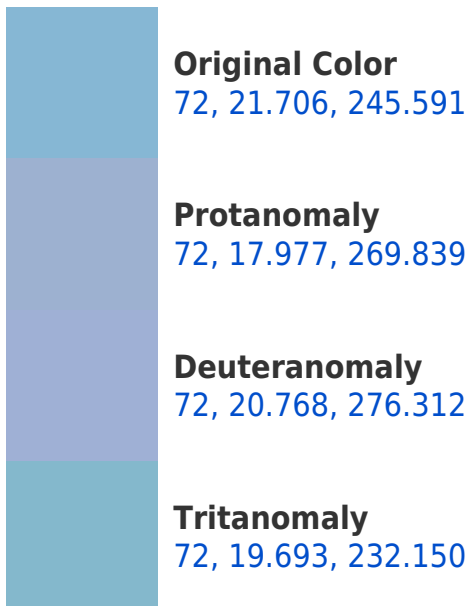
72, 22.947, 294.076



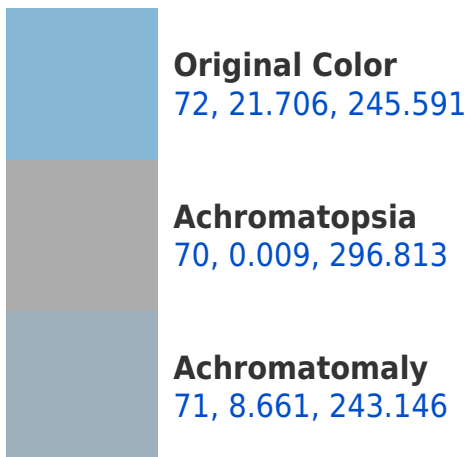


**Tritanopia**  
72, 19.171, 223.590

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 21.706, 245.591 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(134, 183, 212)` looks like.

```
.text, #text, p{  
    color:rgb(134, 183, 212)  
}
```

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(134, 183, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 183, 212) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 21.706, 245.591 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(134, 183, 212) }
```

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

```
.border{ border-color:rgb(134, 183, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 183, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 183, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 183, 212); box-shadow:4px 4px 4px 4px rgb(134, 183, 212) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 21.706, 245.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 183, 212) }
```

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

```
.background{ background-color: rgb(134,  
183, 212) }
```

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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