

# Converting Colors

CIELCh(72, 29.933, 216.334)

Have a look what the booklet for  
CIELCh(72, 29.933, 216.334)  
contains.

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# **Color**

**CIELCh(72, 29.958, 216.702)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5ABED0
RGB	90, 190, 208
RGB Percent	35%, 75%, 82%
CMY	0.6462, 0.2541, 0.1835
CMYK	0.57, 0.09, 0.00, 0.18
HSL	189°, 56%, 59%
HSV	189°, 57%, 82%
XYZ	34.1022, 43.6590, 66.4305
YIQ	162.1520, -65.3780, -15.6020

# Conversions

## Conversions Part 2

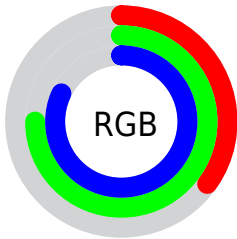
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 144, 208
Decimal	5947088
CIELab	72.00, -24.02, -17.90
CIELCh	72, 29.958, 216.702
Yxy	43.6590, 0.2365, 0.3028
Android (android.graphics.Color)	4284137168 (0xFF5ABED0)
YUV	162.1520, 22.6031, -63.2773
Hunter-Lab	66.0750, -23.5049, -13.3565

# Details

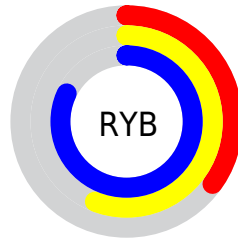
The CIELCh color **72, 29.958, 216.702** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **57, 46.976, 36.558**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 29.780, 205.669**, and **52, 29.930, 217.610** is the 20% darker color. If you saturate the color by 10%, you get **70, 33.000, 217.994**, and if you desaturate by 10%, it is **74, 26.105, 215.745**.

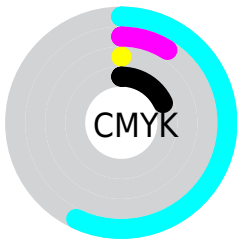
# Distribution



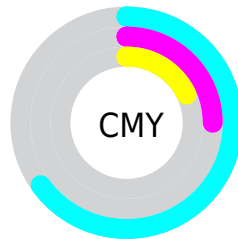
- Red (35%)
- Green (75%)
- Blue (82%)



- Red (35%)
- Yellow (56%)
- Blue (82%)



- Cyan (57%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)




- Cyan (65%)
- Magenta (25%)
- Yellow (18%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 29.958, 216.702 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, 29.958, 216.702 by changing the saturation by 10% instead.





 72, 29.958,  
216.702


 72, 29.958,  
216.702


 100, 29.958,  
216.702


 62, 29.958,  
216.702


 92, 29.958,  
216.702

 52, 29.958,  
216.702

 42, 29.958,  
216.702

 32, 29.958,  
216.702

 22, 29.958,  
216.702

 12, 29.958,  
216.702

 2, 29.958, 216.702

0, 29.958, 216.702

72, 29.958,  
216.702

72, 29.958,  
216.702

70, 33.000,  
217.994

74, 26.105,  
215.745

69, 35.196,  
219.691

76, 21.516,  
215.068

68, 36.571,  
221.857

78, 16.287,  
214.617

67, 37.232,  
224.532

80, 10.523,  
214.355

66, 37.386,  
225.482

82, 4.325, 214.291

84, 2.211, 33.870

87, 9.005, 34.116

■ 89, 15.320, 34.831

■ 90, 14.708, 42.013

# Harmonies

# Complementary

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



72, 29.958, 216.702



57, 46.976, 36.558

# Rectangle

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



72, 29.958, 216.702



72, 29.958, 266.702



72, 29.958, 36.702



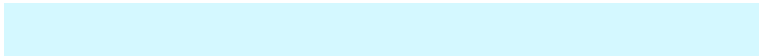
72, 29.958, 86.702

# Sweetspot

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



72, 29.957, 216.700



95, 12.634, 214.364



75, 67.146, 143.635



50, 8.397, 214.406



0, 0.000, 0.000



53, 0.007, 296.813



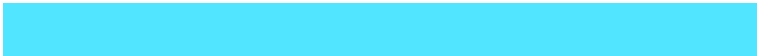


# Same Dimension

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



72, 29.957, 216.700



84, 39.080, 218.319



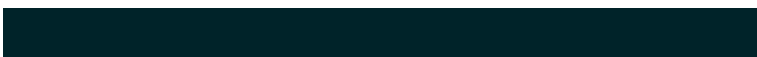
55, 44.713, 280.853



43, 3.669, 214.280



54, 31.922, 224.992



12, 12.327, 218.740



# Inverse Universe

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



57, 66.315, 332.464



64, 89.352, 333.252



71, 45.319, 82.132



41, 6.924, 329.462



38, 75.203, 335.348

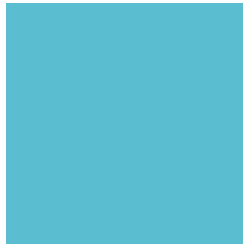


5, 27.661, 333.499



# Previews

## White Background



This preview shows how the CIE LCh color 72, 29.958, 216.702 looks on a white background.

## Color Contrast Check

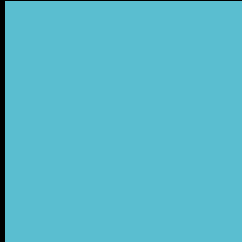
Large Text (above 18pt) WCAG AA × Fail

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 72, 29.958, 216.702 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

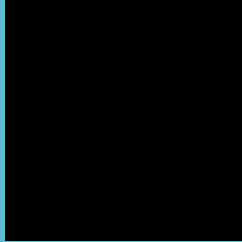
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 72, 29.958, 216.702**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 29.958, 216.702.

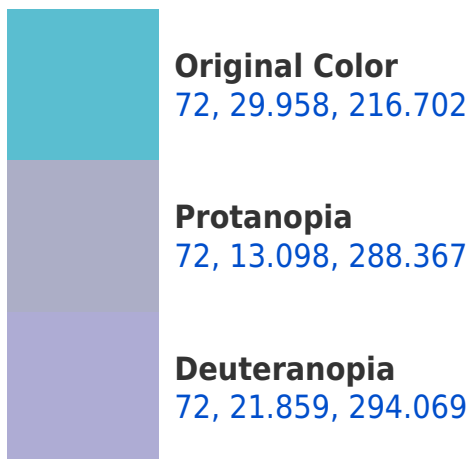


This preview shows how white text looks on a background with the CIELCh color 72, 29.958, 216.702.

# 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**  
72, 30.204, 213.172

# Trichromacy



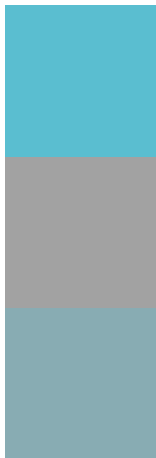
**Original Color**  
72, 29.958, 216.702

**Protanomaly**  
71, 17.089, 243.586

**Deuteranomaly**  
71, 20.453, 257.944

**Tritanomaly**  
72, 30.243, 214.252

# Monochromacy



**Original Color**  
72, 29.958, 216.702

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
68, 13.023, 215.772

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 29.958, 216.702 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(90, 190, 208)` looks like.

```
.text, #text, p{  
    color:rgb(90, 190, 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(90, 190, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 190, 208) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 29.958, 216.702 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(90, 190, 208) }
```

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

```
.border{ border-color:rgb(90, 190, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 190, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 190, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 190, 208);  
box-shadow:4px 4px 4px 4px rgb(90, 190,  
208) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 29.958, 216.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 190, 208) }
```

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

```
.background{ background-color: rgb(90, 190,  
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](#).

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