

# Converting Colors

CIELCh(70, 29.556, 220.135)

Have a look what the booklet for  
CIELCh(70, 29.556, 220.135)  
contains.

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**Color**

**CIELCh(70, 29.542, 220.624)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57B8CD
RGB	87, 184, 205
RGB Percent	34%, 72%, 80%
CMY	0.6585, 0.2782, 0.1958
CMYK	0.58, 0.10, 0.00, 0.20
HSL	191°, 54%, 57%
HSV	191°, 58%, 80%
XYZ	32.1193, 40.7494, 63.9728
YIQ	157.3910, -64.5530, -14.0330

# Conversions

## Conversions Part 2

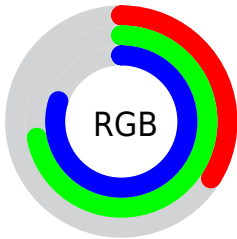
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	87, 140, 205
Decimal	5748941
CIE <sub>Lab</sub>	70.00, -22.42, -19.23
CIE <sub>LCh</sub>	70, 29.542, 220.624
Yxy	40.7494, 0.2347, 0.2978
Android (android.graphics.Color)	4283939021 (0xFF57B8CD)
YUV	157.3910, 23.4712, -61.7329
Hunter-Lab	63.8353, -21.8977, -14.7331

# Details

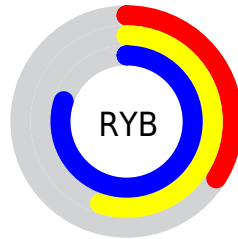
The CIELCh color **70, 29.542, 220.624** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **57, 46.506, 38.577**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 28.959, 213.486**, and **50, 29.566, 220.550** is the 20% darker color. If you saturate the color by 10%, you get **68, 32.504, 222.248**, and if you desaturate by 10%, it is **72, 25.806, 219.392**.

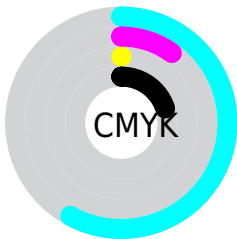
# Distribution



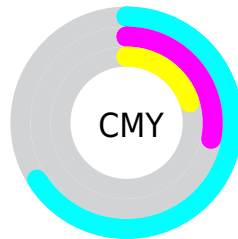
- Red (34%)
- Green (72%)
- Blue (80%)



- Red (34%)
- Yellow (55%)
- Blue (80%)



- Cyan (58%)
- Magenta (10%)
- Yellow (0%)
- Black (20%)




- Cyan (66%)
- Magenta (28%)
- Yellow (20%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 29.542, 220.624 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 70, 29.542, 220.624 by changing the saturation by 10% instead.




 70, 29.542,  
220.624

 70, 29.542,  
220.624


 100, 29.542,  
220.624


 60, 29.542,  
220.624


 90, 29.542,  
220.624

 50, 29.542,  
220.624

 40, 29.542,  
220.624

 30, 29.542,  
220.624

 20, 29.542,  
220.624

 10, 29.542,  
220.624

 0, 29.542, 220.624

70, 29.542,  
220.624

70, 29.542,  
220.624

68, 32.504,  
222.248

72, 25.806,  
219.392

67, 34.670,  
224.346

74, 21.365,  
218.486

65, 36.073,  
226.988

76, 16.309,  
217.843

64, 36.846,  
230.200

78, 10.735,  
217.415

64, 37.008,  
231.025

81, 4.741, 217.198

83, 1.583, 36.571

86, 8.160, 36.796

88, 14.923, 36.843

90, 15.689, 43.206



# Harmonies

# Complementary

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



70, 29.542, 220.624



57, 46.506, 38.577

# Rectangle

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



70, 29.542, 220.624



70, 29.542, 270.624



70, 29.542, 40.624



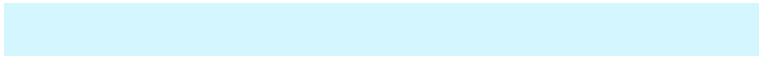
70, 29.542, 90.624

# Sweetspot

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



70, 29.541, 220.623



95, 12.432, 217.405



74, 66.444, 144.029



50, 8.264, 217.474



0, 0.000, 0.000



53, 0.007, 296.813



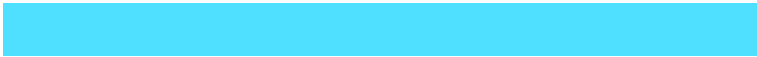


# Same Dimension

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



70, 29.541, 220.623



83, 38.988, 222.694



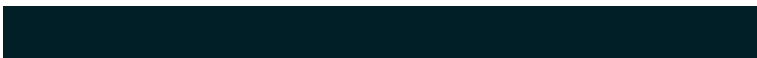
53, 45.964, 282.336



42, 3.537, 217.217



52, 31.575, 230.439



10, 11.780, 222.536



# Inverse Universe

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



55, 65.219, 333.513



64, 88.673, 334.397



70, 45.910, 83.419



40, 6.664, 330.315



38, 72.955, 336.762



5, 25.111, 334.337



# Previews

## White Background



This preview shows how the CIELCh color 70, 29.542, 220.624 looks on a white background.

## Color Contrast Check

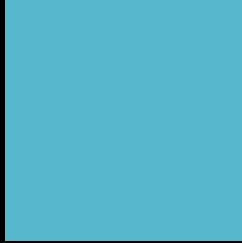
Large Text (above 18pt) WCAG AA × Fail

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 70, 29.542, 220.624 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

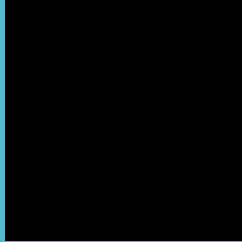
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 70, 29.542, 220.624

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 29.542, 220.624.



This preview shows how white text looks on a background with the CIELCh color 70, 29.542, 220.624.

# 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

70, 29.542, 220.624

### Protanopia

70, 14.276, 287.358

### Deuteranopia

70, 23.630, 293.327





**Tritanopia**  
70, 29.697, 213.543

# Trichromacy



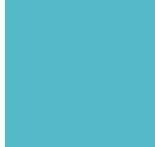
**Original Color**  
70, 29.542, 220.624



**Protanomaly**  
69, 18.026, 248.656



**Deuteranomaly**  
69, 21.875, 260.877



**Tritanomaly**  
70, 29.606, 215.883

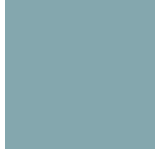
# Monochromacy



**Original Color**  
70, 29.542, 220.624



**Achromatopsia**  
65, 0.008, 296.813



**Achromatomaly**  
66, 12.753, 216.253

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 29.542, 220.624 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(87, 184, 205)` looks like.

```
.text, #text, p{  
    color:rgb(87, 184, 205)  
}
```

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(87, 184, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 184, 205) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 29.542, 220.624 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(87, 184, 205) }
```

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

```
.border{ border-color:rgb(87, 184, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 184, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 184, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 184, 205);  
box-shadow:4px 4px 4px 4px rgb(87, 184,  
205) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 29.542, 220.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 184, 205) }
```

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

```
.background{ background-color: rgb(87, 184,  
205) }
```

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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