

# Converting Colors

CIELCh(71, 29.746, 217.488)

Have a look what the booklet for  
CIELCh(71, 29.746, 217.488)  
contains.

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# Color

**CIELCh(71, 29.786, 218.023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58BBCE
RGB	88, 187, 206
RGB Percent	35%, 73%, 81%
CMY	0.6539, 0.2658, 0.1913
CMYK	0.57, 0.09, 0.00, 0.19
HSL	190°, 55%, 58%
HSV	190°, 57%, 81%
XYZ	33.0321, 42.1875, 64.9367
YIQ	159.5650, -65.1030, -15.0790

# Conversions

## Conversions Part 2

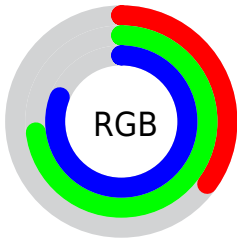
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 142, 206
Decimal	5815246
CIE <sub>Lab</sub>	71.00, -23.46, -18.35
CIE <sub>LCh</sub>	71, 29.786, 218.023
Yxy	42.1875, 0.2357, 0.3010
Android (android.graphics.Color)	4284005326 (0xFF58BBCE)
YUV	159.5650, 22.8925, -62.7625
Hunter-Lab	64.9519, -22.8873, -13.8098

# Details

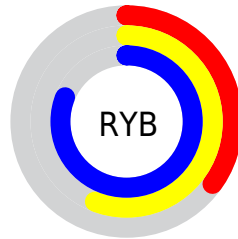
The CIELCh color **71, 29.786, 218.023** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **57, 46.891, 37.252**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 29.316, 210.039**, and **51, 29.870, 217.698** is the 20% darker color. If you saturate the color by 10%, you get **69, 32.767, 219.433**, and if you desaturate by 10%, it is **73, 26.008, 216.968**.

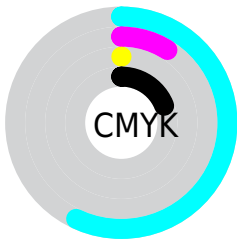
# Distribution



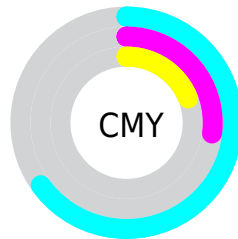
- Red (35%)
- Green (73%)
- Blue (81%)



- Red (35%)
- Yellow (56%)
- Blue (81%)



- Cyan (57%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)




- Cyan (65%)
- Magenta (27%)
- Yellow (19%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 29.786, 218.023 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 71, 29.786, 218.023 by changing the saturation by 10% instead.





 71, 29.786,  
218.023


 71, 29.786,  
218.023


 100, 29.786,  
218.023


 61, 29.786,  
218.023


 91, 29.786,  
218.023

 51, 29.786,  
218.023

 41, 29.786,  
218.023

 31, 29.786,  
218.023

 21, 29.786,  
218.023

 11, 29.786,  
218.023

 1, 29.786, 218.023

0, 29.786, 218.023

71, 29.786,  
218.023

71, 29.786,  
218.023

69, 32.767,  
219.433

73, 26.008,  
216.968

68, 34.921,  
221.274

75, 21.504,  
216.209

67, 36.276,  
223.610

77, 16.369,  
215.690

66, 36.954,  
226.476

79, 10.703,  
215.369

65, 37.100,  
227.318

81, 4.609, 215.247

84, 1.824, 34.740

86, 8.513, 34.996

■ 89, 15.391, 35.107

■ 90, 15.400, 41.679

# Harmonies

# Complementary

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



71, 29.786, 218.023



57, 46.891, 37.252

# Rectangle

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



71, 29.786, 218.023



71, 29.786, 268.023



71, 29.786, 38.023



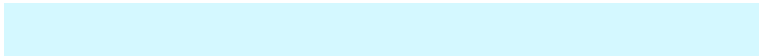
71, 29.786, 88.023

# Sweetspot

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



71, 29.785, 218.021



95, 12.563, 215.369



74, 67.196, 143.567



50, 8.350, 215.419



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



71, 29.785, 218.021



84, 39.216, 219.875



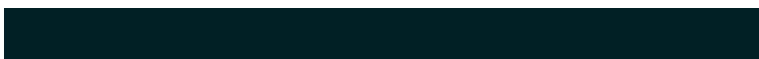
54, 44.813, 281.001



42, 3.575, 215.250



53, 31.539, 226.778



10, 11.840, 219.712



# Inverse Universe

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



56, 65.951, 332.824



64, 89.688, 333.673



70, 45.405, 82.057



40, 6.744, 329.742



38, 73.892, 335.805



5, 25.465, 333.569



# Previews

## White Background



This preview shows how the CIELCh color 71, 29.786, 218.023 looks on a white background.

## Color Contrast Check

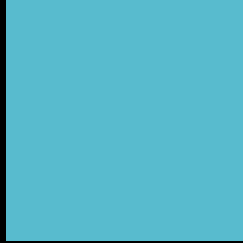
Large Text (above 18pt) WCAG AA × Fail

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 71, 29.786, 218.023 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

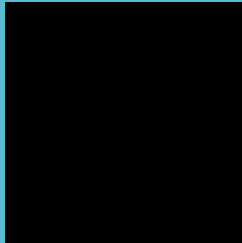
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 71, 29.786, 218.023

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 29.786, 218.023.

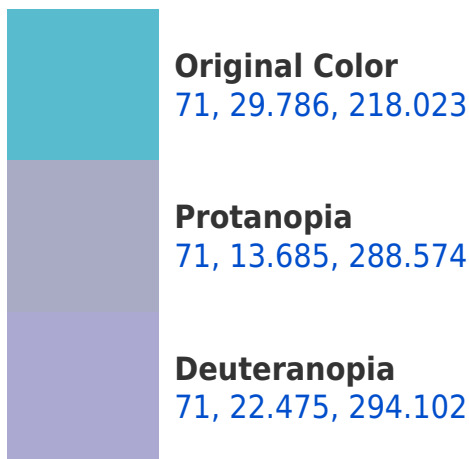


This preview shows how white text looks on a background with the CIELCh color 71, 29.786, 218.023.

# 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**  
71, 29.951, 213.355

# Trichromacy



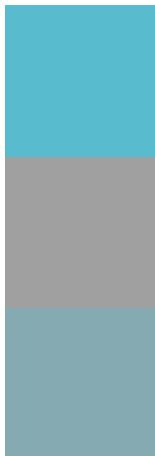
**Original Color**  
71, 29.786, 218.023

**Protanomaly**  
70, 17.257, 245.849

**Deuteranomaly**  
70, 20.936, 258.985

**Tritanomaly**  
71, 29.991, 214.448

# Monochromacy



**Original Color**  
71, 29.786, 218.023

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
67, 13.039, 215.781

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 29.786, 218.023 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(88, 187, 206)` looks like.

```
.text, #text, p{  
    color:rgb(88, 187, 206)  
}
```

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(88, 187, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 187, 206) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 29.786, 218.023 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(88, 187, 206) }
```

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

```
.border{ border-color:rgb(88, 187, 206) }
```

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

Here you see how a box with a 4 pixel rgb(88, 187, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 187, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 187, 206);  
box-shadow:4px 4px 4px 4px rgb(88, 187,  
206) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 29.786, 218.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 187, 206) }
```

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

```
.background{ background-color: rgb(88, 187,  
206) }
```

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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