

Converting Colors

CIELCh(71, 29.872, 238.115)

Have a look what the booklet for
CIELCh(71, 29.872, 238.115)
contains.

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Color

CIELCh(71, 29.867, 238.170)

Conversions

Conversions Part 1

Format	Color
Hex	64B8DB
RGB	100, 184, 219
RGB Percent	39%, 72%, 86%
CMY	0.6072, 0.2778, 0.1405
CMYK	0.54, 0.16, 0.00, 0.14
HSL	198°, 62%, 63%
HSV	198°, 54%, 86%
XYZ	35.2543, 42.1875, 73.4137
YIQ	162.8740, -61.2990, -6.9230

Conversions

Conversions Part 2

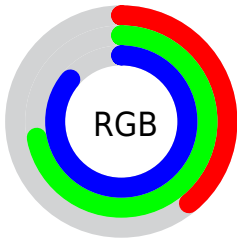
Format	Color
RYB	100, 149, 219
Decimal	6600923
CIELab	71.00, -15.75, -25.38
CIELCh	71, 29.867, 238.170
Yxy	42.1875, 0.2337, 0.2797
Android (android.graphics.Color)	4284791003 (0xFF64B8DB)
YUV	162.8740, 27.6701, -55.1405
Hunter-Lab	64.9519, -16.7805, -21.5478

Details

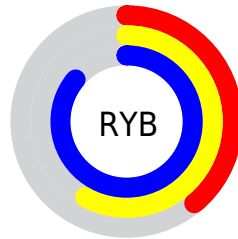
The CIELCh color **71, 29.867, 238.170** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **64, 43.156, 48.423**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 26.069, 215.444**, and **51, 29.894, 238.121** is the 20% darker color. If you saturate the color by 10%, you get **68, 33.755, 240.846**, and if you desaturate by 10%, it is **74, 25.387, 236.033**.

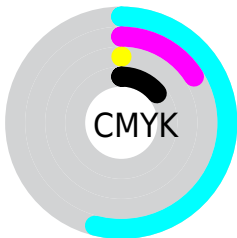
Distribution



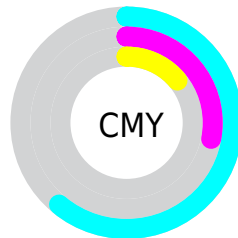
- Red (39%)
- Green (72%)
- Blue (86%)



- Red (39%)
- Yellow (58%)
- Blue (86%)



- Cyan (54%)
- Magenta (16%)
- Yellow (0%)
- Black (14%)





- Cyan (61%)
- Magenta (28%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 29.867, 238.170 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, 29.867, 238.170 by changing the saturation by 10% instead.


 71, 29.867,
238.170


 71, 29.867,
238.170


 100, 29.867,
238.170


 61, 29.867,
238.170


 91, 29.867,
238.170

 51, 29.867,
238.170

 41, 29.867,
238.170

 31, 29.867,
238.170

 21, 29.867,
238.170

 11, 29.867,
238.170

 1, 29.867, 238.170

0, 29.867, 238.170

71, 29.867,
238.170

71, 29.867,
238.170

68, 33.755,
240.846

74, 25.387,
236.033

66, 37.051,
244.153

77, 20.364,
234.345

64, 39.817,
248.148

80, 14.865,
233.023

61, 42.194,
252.818

83, 8.970, 232.003

60, 43.502,
255.642

86, 2.753, 231.323

89, 3.714, 50.341

93, 10.371, 49.938

■ 94, 11.077, 69.552

■ 96, 12.657, 87.317

Harmonies

Complementary

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



71, 29.867, 238.170



64, 43.156, 48.423

Rectangle

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



71, 29.867, 238.170



71, 29.867, 288.170



71, 29.867, 58.170



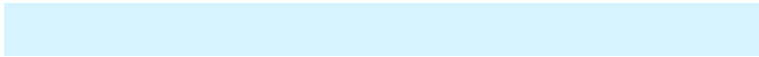
71, 29.867, 108.170

Sweetspot

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



71, 29.866, 238.169



94, 11.305, 232.170



79, 61.007, 148.341



49, 7.594, 232.370



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, 29.866, 238.169



78, 38.347, 241.227



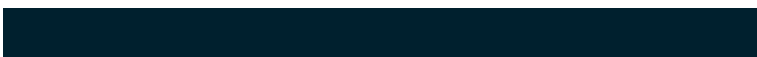
55, 53.564, 288.951



44, 3.603, 231.611



48, 36.266, 254.764



11, 13.651, 244.668

Inverse Universe

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



60, 60.709, 338.337



64, 78.947, 339.510



79, 49.719, 92.755



43, 6.511, 334.660



38, 69.450, 344.358



6, 28.134, 340.922

Previews

White Background



This preview shows how the CIE LCh color 71, 29.867, 238.170 looks on a white background.

Color Contrast Check

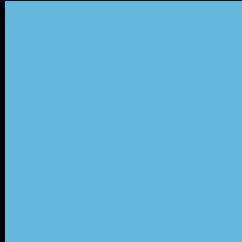
Large Text (above 18pt) WCAG AA × Fail

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, 29.867, 238.170 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, 29.867, 238.170

Background



This preview shows how black text looks on a background with the CIELCh color 71, 29.867, 238.170.

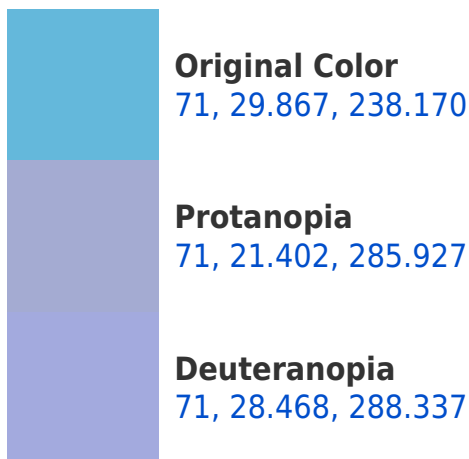


This preview shows how white text looks on a background with the CIELCh color 71, 29.867, 238.170.

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, 28.361, 214.395

Trichromacy



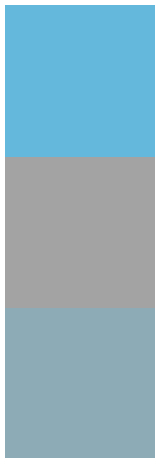
Original Color
71, 29.867, 238.170

Protanomaly
71, 22.729, 262.444

Deuteranomaly
70, 26.992, 268.617

Tritanomaly
71, 28.382, 222.909

Monochromacy



Original Color
71, 29.867, 238.170

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 12.459, 230.867

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 29.867, 238.170 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(100, 184, 219)` looks like.

```
.text, #text, p{  
    color:rgb(100, 184, 219)  
}
```

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(100, 184, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 184, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 29.867, 238.170 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(100, 184, 219) }
```

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

```
.border{ border-color:rgb(100, 184, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 184, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 184, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 184, 219);  
box-shadow:4px 4px 4px 4px rgb(100, 184,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 29.867, 238.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 184, 219) }
```

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

```
.background{ background-color: rgb(100,  
184, 219) }
```

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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