

Converting Colors

CIELCh(71, 30.459, 232.919)

Have a look what the booklet for
CIELCh(71, 30.459, 232.919)
contains.

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Color

CIELCh(71, 30.465, 233.157)

Conversions

Conversions Part 1

Format	Color
Hex	5DB9D9
RGB	93, 185, 217
RGB Percent	36%, 73%, 85%
CMY	0.6340, 0.2734, 0.1479
CMYK	0.57, 0.15, 0.00, 0.15
HSL	195°, 62%, 61%
HSV	195°, 57%, 85%
XYZ	34.5188, 42.1875, 72.1713
YIQ	161.1400, -65.1040, -9.5520

Conversions

Conversions Part 2

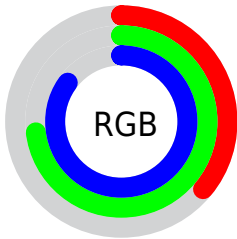
Format	Color
R_{YB}	93, 146, 217
Decimal	6142425
CIE _{Lab}	71.00, -18.27, -24.38
CIE _{LCh}	71, 30.465, 233.157
Yxy	42.1875, 0.2319, 0.2834
Android (android.graphics.Color)	4284332505 (0xFF5DB9D9)
YUV	161.1400, 27.5390, -59.7588
Hunter-Lab	64.9519, -18.8016, -20.4137

Details

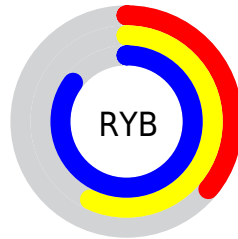
The CIELCh color **71, 30.465, 233.157** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **62, 46.210, 45.180**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 27.715, 213.131**, and **51, 30.430, 232.851** is the 20% darker color. If you saturate the color by 10%, you get **69, 33.906, 235.670**, and if you desaturate by 10%, it is **73, 26.352, 231.173**.

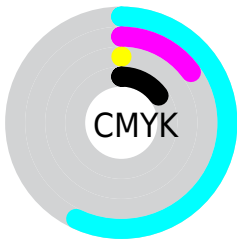
Distribution



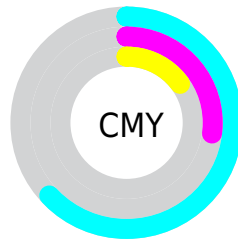
- Red (36%)
- Green (73%)
- Blue (85%)



- Red (36%)
- Yellow (57%)
- Blue (85%)



- Cyan (57%)
- Magenta (15%)
- Yellow (0%)
- Black (15%)





- Cyan (63%)
- Magenta (27%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 30.465, 233.157 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, 30.465, 233.157 by changing the saturation by 10% instead.


 71, 30.465,
233.157


 71, 30.465,
233.157


 100, 30.465,
233.157


 61, 30.465,
233.157


 91, 30.465,
233.157

 51, 30.465,
233.157

 41, 30.465,
233.157

 31, 30.465,
233.157

 21, 30.465,
233.157

 11, 30.465,
233.157

 1, 30.465, 233.157

0, 30.465, 233.157

71, 30.465,
233.157

71, 30.465,
233.157

69, 33.906,
235.670

73, 26.352,
231.173

67, 36.677,
238.807

76, 21.620,
229.628

65, 38.845,
242.630

79, 16.342,
228.440

63, 40.568,
247.126

82, 10.605,
227.541

62, 41.067,
248.489

85, 4.494, 226.916

88, 1.912, 45.977

91, 8.543, 45.815

■ 93, 11.339, 55.449

■ 94, 11.849, 72.514

Harmonies

Complementary

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



71, 30.465, 233.157



62, 46.210, 45.180

Rectangle

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



71, 30.465, 233.157



71, 30.465, 283.157



71, 30.465, 53.157



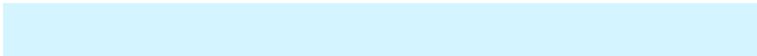
71, 30.465, 103.157

Sweetspot

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



71, 30.464, 233.156



94, 12.035, 227.549



78, 64.986, 146.774



50, 8.006, 227.711



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, 30.464, 233.156



79, 38.798, 236.118



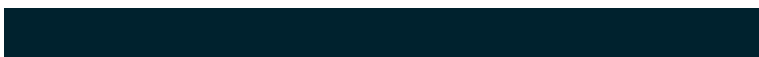
54, 53.679, 287.758



45, 3.625, 227.034



50, 34.539, 247.685



12, 13.313, 238.341

Inverse Universe

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



58, 64.335, 336.920



63, 83.306, 338.026



77, 50.474, 90.014



43, 6.681, 333.236



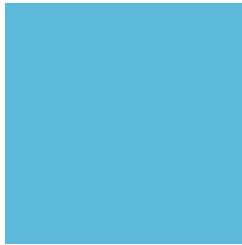
39, 71.138, 341.832



6, 28.828, 338.961

Previews

White Background



This preview shows how the CIELCh color 71, 30.465, 233.157 looks on a white background.

Color Contrast Check

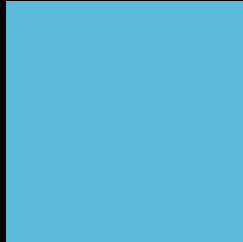
Large Text (above 18pt) WCAG AA × Fail

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, 30.465, 233.157 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, 30.465, 233.157

Background



This preview shows how black text looks on a background with the CIELCh color 71, 30.465, 233.157.

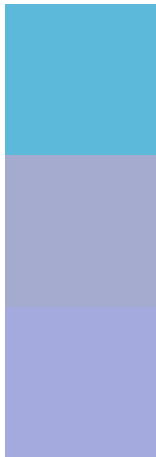


This preview shows how white text looks on a background with the CIELCh color 71, 30.465, 233.157.

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

71, 30.465, 233.157

Protanopia

71, 19.750, 286.166

Deuteranopia

71, 27.909, 288.844

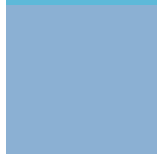


Tritanopia
71, 29.761, 213.473

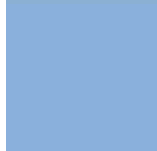
Trichromacy



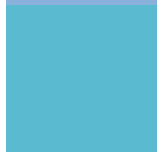
Original Color
71, 30.465, 233.157



Protanomaly
70, 22.114, 259.417



Deuteranomaly
71, 26.348, 265.629

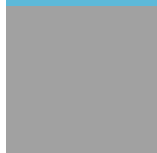


Tritanomaly
71, 29.599, 220.515

Monochromacy



Original Color
71, 30.465, 233.157



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 13.082, 226.351

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 30.465, 233.157 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(93, 185, 217)` looks like.

```
.text, #text, p{  
    color:rgb(93, 185, 217)  
}
```

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(93, 185, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 185, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 30.465, 233.157 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(93, 185, 217) }
```

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

```
.border{ border-color:rgb(93, 185, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 185, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 185, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 185, 217);  
box-shadow:4px 4px 4px 4px rgb(93, 185,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 30.465, 233.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 185, 217) }
```

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

```
.background{ background-color: rgb(93, 185,  
217) }
```

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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