

Converting Colors

CIELCh(70, 30.119, 239.309)

Have a look what the booklet for
CIELCh(70, 30.119, 239.309)
contains.

CIELCh(70, 30.119, 239.309)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(70, 30.119, 239.309)

Conversions

Conversions Part 1

Format	Color
Hex	61B5D9
RGB	97, 181, 217
RGB Percent	38%, 71%, 85%
CMY	0.6183, 0.2891, 0.1478
CMYK	0.55, 0.17, 0.00, 0.15
HSL	198°, 61%, 62%
HSV	198°, 55%, 85%
XYZ	34.1095, 40.7494, 71.9178
YIQ	159.9880, -61.6200, -6.6120

Conversions

Conversions Part 2

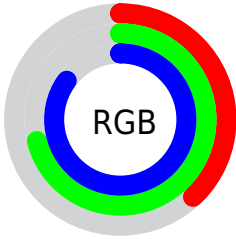
Format	Color
R_{YB}	97, 146, 217
Decimal	6403545
CIE _{Lab}	70.00, -15.37, -25.90
CIE _{LCh}	70, 30.119, 239.309
Yxy	40.7494, 0.2324, 0.2776
Android (android.graphics.Color)	4284593625 (0xFF61B5D9)
YUV	159.9880, 28.1069, -55.2405
Hunter-Lab	63.8353, -16.3327, -22.1123

Details

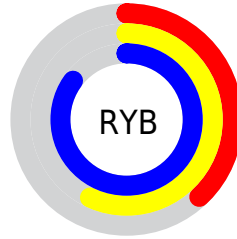
The CIELCh color **70, 30.119, 239.309** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **64, 43.631, 48.962**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 26.358, 218.935**, and **50, 30.142, 239.427** is the 20% darker color. If you saturate the color by 10%, you get **67, 33.973, 242.083**, and if you desaturate by 10%, it is **73, 25.688, 237.086**.

Distribution



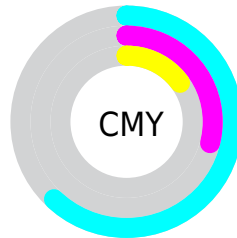
- Red (38%)
- Green (71%)
- Blue (85%)



- Red (38%)
- Yellow (57%)
- Blue (85%)



- Cyan (55%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)





- Cyan (62%)
- Magenta (29%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 30.119, 239.309 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, 30.119, 239.309 by changing the saturation by 10% instead.


 70, 30.119,
239.309


 70, 30.119,
239.309


 100, 30.119,
239.309


 60, 30.119,
239.309


 90, 30.119,
239.309

 50, 30.119,
239.309

 40, 30.119,
239.309

 30, 30.119,
239.309

 20, 30.119,
239.309

 10, 30.119,
239.309

 0, 30.119, 239.309

70, 30.119,
239.309

70, 30.119,
239.309

67, 33.973,
242.083

73, 25.688,
237.086

65, 37.259,
245.496

76, 20.723,
235.324

63, 40.045,
249.598

79, 15.288,
233.938

60, 42.479,
254.362

82, 9.460, 232.862

59, 43.628,
256.735

85, 3.313, 232.106

88, 3.085, 51.092

92, 9.673, 50.679

94, 11.512, 65.665

95, 12.853, 83.651

Harmonies

Complementary

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



70, 30.119, 239.309



64, 43.631, 48.962

Rectangle

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



70, 30.119, 239.309



70, 30.119, 289.309



70, 30.119, 59.309



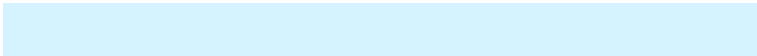
70, 30.119, 109.309

Sweetspot

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



70, 30.118, 239.308



94, 11.981, 233.049



78, 60.714, 148.832



49, 7.975, 233.255



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, 30.118, 239.308



78, 38.885, 242.516



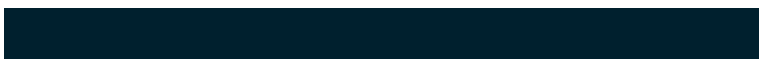
53, 55.382, 290.082



44, 3.602, 232.373



48, 36.600, 255.882



11, 13.721, 245.692

Inverse Universe

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



59, 60.928, 338.710



64, 79.494, 339.932



78, 50.835, 93.777



43, 6.484, 334.903



38, 69.186, 344.792



6, 28.023, 341.259

Previews

White Background



This preview shows how the CIELCh color 70, 30.119, 239.309 looks on a white background.

Color Contrast Check

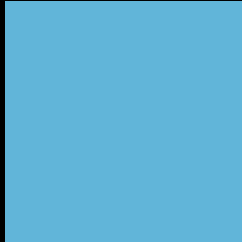
Large Text (above 18pt) WCAG AA × Fail

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, 30.119, 239.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

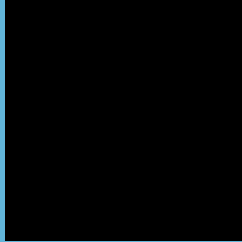
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 30.119, 239.309

Background



This preview shows how black text looks on a background with the CIELCh color 70, 30.119, 239.309.

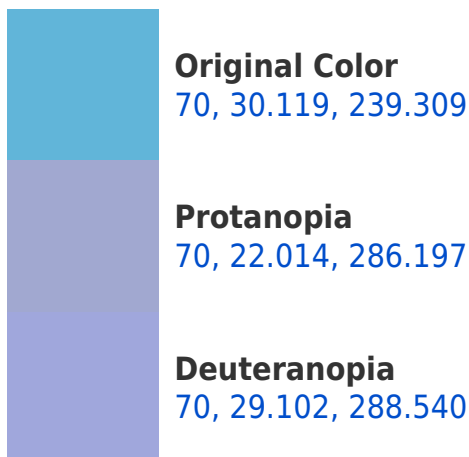


This preview shows how white text looks on a background with the CIELCh color 70, 30.119, 239.309.

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
70, 28.515, 214.325

Trichromacy



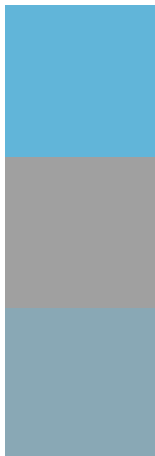
Original Color
70, 30.119, 239.309

Protanomaly
69, 23.244, 263.327

Deuteranomaly
69, 27.548, 269.296

Tritanomaly
70, 28.476, 224.142

Monochromacy



Original Color
70, 30.119, 239.309

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 12.743, 233.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 30.119, 239.309 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(97, 181, 217)` looks like.

```
.text, #text, p{  
  color:rgb(97, 181, 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(97, 181, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 181, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 30.119, 239.309 is called "border". The border property can be set on classes, ids or directly on the HTML element.

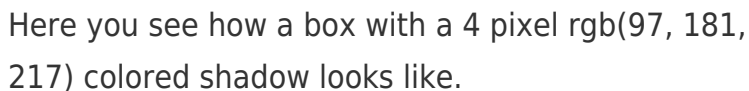
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(97, 181, 217) }
```

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

```
.border{ border-color:rgb(97, 181, 217) }
```

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



Here you see how a box with a 4 pixel `rgb(97, 181, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(97, 181, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(97, 181, 217); box-shadow:4px 4px 4px 4px rgb(97, 181, 217) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 30.119, 239.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 181, 217) }
```

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

```
.background{ background-color: rgb(97, 181,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor