

Converting Colors

CIELCh(70, 48.583, 255.167)

Have a look what the booklet for
CIELCh(70, 48.583, 255.167)
contains.

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Color

CIELCh(70, 48.294, 254.720)

Conversions

Conversions Part 1

Format	Color
Hex	06B6FF
RGB	6, 182, 255
RGB Percent	2%, 71%, 100%
CMY	0.9779, 0.2860, 0.0000
CMYK	0.98, 0.29, 0.00, 0.00
HSL	198°, 100%, 51%
HSV	198°, 98%, 100%
XYZ	34.8771, 40.7494, 100.7061
YIQ	137.6980, -128.3290, -14.6090

Conversions

Conversions Part 2

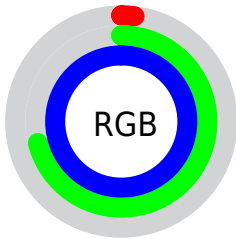
Format	Color
R _Y B	6, 109, 255
Decimal	440063
CIE Lab	70.00, -12.73, -46.59
CIE LCh	70, 48.294, 254.720
Yxy	40.7494, 0.1978, 0.2311
Android (android.graphics.Color)	4278630143 (0xFF06B6FF)
YUV	137.6980, 57.8299, -115.4991
Hunter-Lab	63.8353, -14.1862, -48.8508

Details

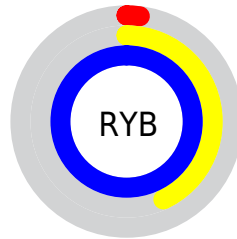
The CIELCh color **70, 48.294, 254.720** is a dark color, and the websafe version is hex **66CCFF**. The color can be described as middle saturated azure. A complement of this color would be **59, 94.070, 46.688**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 35.331, 212.027**, and **52, 44.171, 264.866** is the 20% darker color. If you saturate the color by 10%, you get **69, 48.830, 255.780**, and if you desaturate by 10%, it is **72, 45.720, 249.731**.

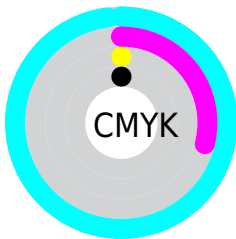
Distribution



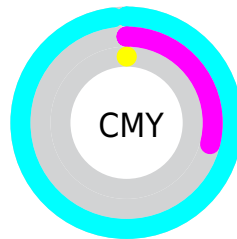
- Red (2%)
- Green (71%)
- Blue (100%)



- Red (2%)
- Yellow (43%)
- Blue (100%)



- Cyan (98%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (98%)
- Magenta (29%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 48.294, 254.720 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, 48.294, 254.720 by changing the saturation by 10% instead.


 70, 48.294,
254.720


 70, 48.294,
254.720

 100, 48.294,
254.720


 60, 48.294,
254.720


 90, 48.294,
254.720

 50, 48.294,
254.720

 40, 48.294,
254.720

 30, 48.294,
254.720

 20, 48.294,
254.720

 10, 48.294,
254.720

 0, 48.294, 254.720

70, 48.294,
254.720

70, 48.294,
254.720

69, 48.830,
255.780

72, 45.720,
249.731

75, 42.831,
245.423

78, 39.387,
241.821

80, 35.280,
238.889

83, 30.487,
236.544

87, 25.045,
234.690

90, 19.026,
233.237

94, 12.518,

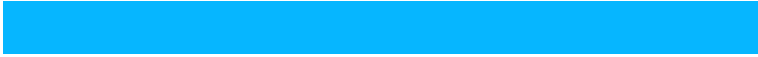
232.110

■ 97, 5.611, 231.279

Harmonies

Complementary

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



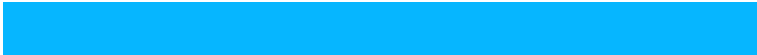
70, 48.294, 254.720



59, 94.070, 46.688

Rectangle

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



70, 48.294, 254.720



70, 48.294, 304.720



70, 48.294, 74.720



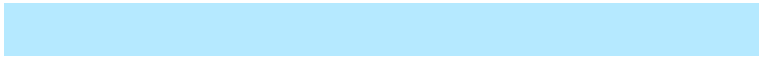
70, 48.294, 124.720

Sweetspot

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



70, 48.262, 254.674



90, 19.780, 233.393



88, 107.024, 140.644



46, 13.391, 233.987



0, 0.000, 0.000



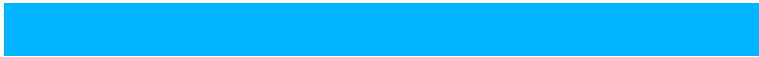
53, 0.007, 296.813

Same Dimension

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



70, 48.262, 254.674



69, 48.830, 255.780



39, 114.551, 301.861



51, 4.078, 231.397



53, 39.021, 254.819



17, 17.107, 247.865

Inverse Universe

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



57, 92.418, 344.322



57, 92.415, 344.752



83, 84.357, 86.411



50, 7.380, 334.599



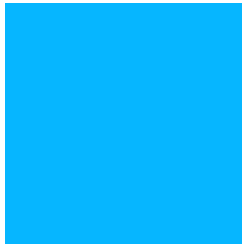
43, 74.679, 344.379



11, 35.176, 341.893

Previews

White Background



This preview shows how the CIE LCh color 70, 48.294, 254.720 looks on a white background.

Color Contrast Check

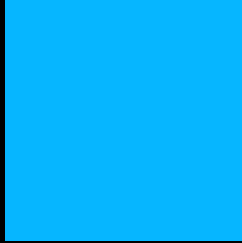
Large Text (above 18pt) WCAG AA × Fail

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, 48.294, 254.720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

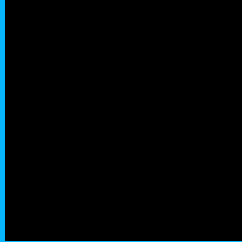
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

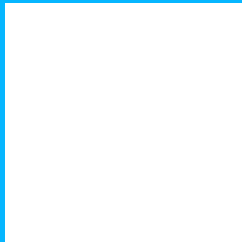
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 48.294, 254.720

Background



This preview shows how black text looks on a background with the CIELCh color 70, 48.294, 254.720.

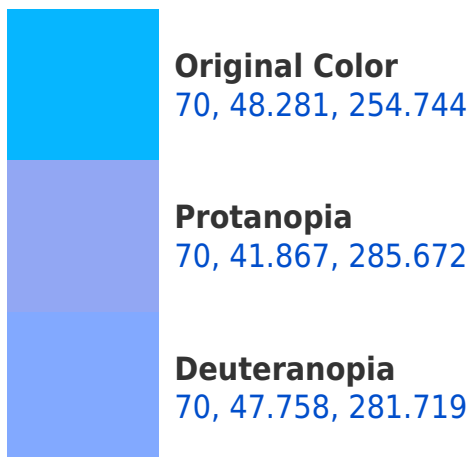


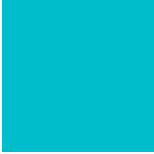
This preview shows how white text looks on a background with the CIELCh color 70, 48.294, 254.720.

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, 38.641, 208.238

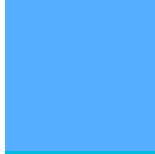
Trichromacy



Original Color
70, 48.281, 254.744



Protanomaly
68, 44.470, 267.953



Deuteranomaly
69, 47.964, 267.892



Tritanomaly
70, 39.164, 227.764

Monochromacy



Original Color
70, 48.281, 254.744



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 24.165, 237.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 48.294, 254.720 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(6, 182, 255)` looks like.

```
.text, #text, p{  
  color:rgb(6, 182, 255)  
}
```

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(6, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 182, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 48.294, 254.720 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(6, 182, 255) }
```

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

```
.border{ border-color:rgb(6, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(6, 182,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 48.294, 254.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 182, 255) }
```

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

```
.background{ background-color: rgb(6, 182,  
255) }
```

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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