

Converting Colors

CIELCh(70, 48.379, 254.644)

Have a look what the booklet for
CIELCh(70, 48.379, 254.644)
contains.

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Color

CIELCh(70, 48.348, 254.623)

Conversions

Conversions Part 1

Format	Color
Hex	02B6FF
RGB	2, 182, 255
RGB Percent	1%, 71%, 100%
CMY	0.9924, 0.2858, 0.0000
CMYK	0.99, 0.29, 0.00, 0.00
HSL	197°, 100%, 50%
HSV	197°, 99%, 100%
XYZ	34.8499, 40.7494, 100.7533
YIQ	136.5020, -130.7130, -15.4570

Conversions

Conversions Part 2

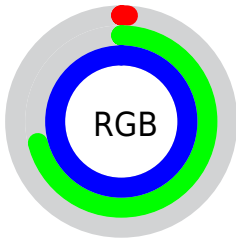
Format	Color
R _Y B	2, 107, 255
Decimal	177919
CIE Lab	70.00, -12.82, -46.62
CIE LCh	70, 48.348, 254.623
Yxy	40.7494, 0.1976, 0.2311
Android (android.graphics.Color)	4278367999 (0xFF02B6FF)
YUV	136.5020, 58.4195, -117.9583
Hunter-Lab	63.8353, -14.2623, -48.8947

Details

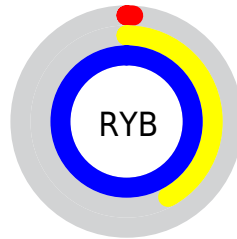
The CIELCh color **70, 48.348, 254.623** is a dark color, and the websafe version is hex **66CCFF**. The color can be described as middle saturated azure. A complement of this color would be **58, 95.309, 46.309**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 35.516, 211.938**, and **52, 44.171, 264.866** is the 20% darker color. If you saturate the color by 10%, you get **70, 48.488, 254.925**, and if you desaturate by 10%, it is **72, 45.857, 249.586**.

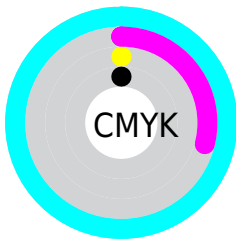
Distribution



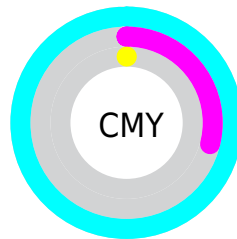
- Red (1%)
- Green (71%)
- Blue (100%)



- Red (1%)
- Yellow (42%)
- Blue (100%)



- Cyan (99%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (99%)
- Magenta (29%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 48.348, 254.623 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, 48.348, 254.623 by changing the saturation by 10% instead.


 70, 48.348,
254.623

 70, 48.348,
254.623


 100, 48.348,
254.623


 60, 48.348,
254.623


 90, 48.348,
254.623

 50, 48.348,
254.623

 40, 48.348,
254.623

 30, 48.348,
254.623

 20, 48.348,
254.623

 10, 48.348,
254.623

 0, 48.348, 254.623

■ 70, 48.348,
254.623

■ 70, 48.348,
254.623

■ 70, 48.488,
254.925

■ 72, 45.857,
249.586

■ 75, 43.108,
245.214

■ 77, 39.810,
241.551

■ 80, 35.845,
238.565

■ 83, 31.182,
236.176

■ 86, 25.851,
234.288

■ 90, 19.923,
232.810

■ 93, 13.486,

231.665

 97, 6.632, 230.809

Harmonies

Complementary

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



70, 48.348, 254.623



58, 95.309, 46.309

Rectangle

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



70, 48.348, 254.623



70, 48.348, 304.623



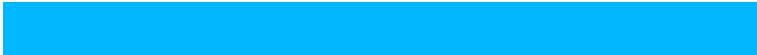
70, 48.348, 74.623



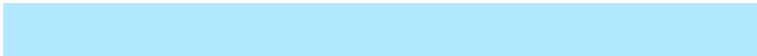
70, 48.348, 124.623

Sweetspot

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



70, 48.297, 254.547



89, 20.394, 232.910



88, 107.846, 140.383



46, 13.725, 233.499



0, 0.000, 0.000



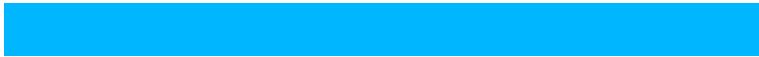
53, 0.007, 296.813

Same Dimension

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



70, 48.297, 254.547



70, 48.488, 254.925



38, 116.095, 302.220



51, 4.079, 230.828



53, 38.759, 253.968



17, 17.029, 247.060

Inverse Universe

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



57, 92.685, 344.274



57, 92.685, 344.420



83, 84.580, 86.162



50, 7.404, 334.420



43, 74.896, 344.056



11, 35.272, 341.626

Previews

White Background



This preview shows how the CIE LCh color 70, 48.348, 254.623 looks on a white background.

Color Contrast Check

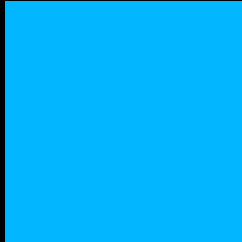
Large Text (above 18pt) WCAG AA × Fail

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, 48.348, 254.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

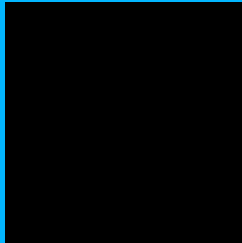
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

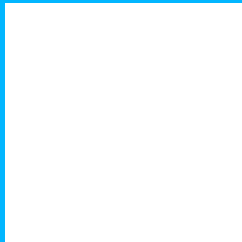
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 48.348, 254.623

Background



This preview shows how black text looks on a background with the CIELCh color 70, 48.348, 254.623.

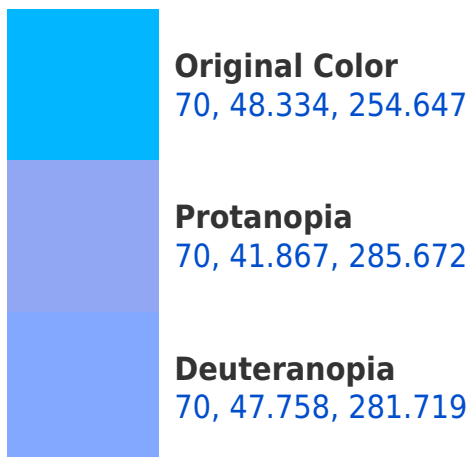


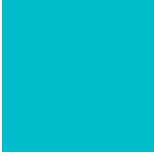
This preview shows how white text looks on a background with the CIELCh color 70, 48.348, 254.623.

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



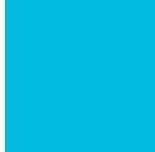
Original Color
70, 48.334, 254.647



Protanomaly
69, 44.131, 266.979



Deuteranomaly
69, 48.085, 267.534



Tritanomaly
70, 39.190, 226.750

Monochromacy



Original Color
70, 48.334, 254.647



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 24.349, 237.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 48.348, 254.623 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(2, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 182, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 70, 48.348, 254.623 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(2, 182, 255) }
```

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

```
.border{ border-color:rgb(2, 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(2, 182, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(2, 182,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 48.348, 254.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 182, 255) }
```

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

```
.background{ background-color: rgb(2, 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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