

Converting Colors

CIELCh(70, 47.874, 254.005)

Have a look what the booklet for
CIELCh(70, 47.874, 254.005)
contains.

CIELCh(70, 47.924, 254.187)	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, 47.924, 254.187)

Conversions

Conversions Part 1

Format	Color
Hex	07B6FE
RGB	7, 182, 254
RGB Percent	3%, 71%, 100%
CMY	0.9711, 0.2855, 0.0031
CMYK	0.97, 0.28, 0.00, 0.00
HSL	198°, 99%, 51%
HSV	198°, 97%, 100%
XYZ	34.7802, 40.7494, 99.9693
YIQ	137.8830, -127.4120, -14.7080

Conversions

Conversions Part 2

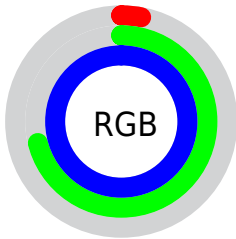
Format	Color
RYB	7, 109, 254
Decimal	505598
CIELab	70.00, -13.06, -46.11
CIELCh	70, 47.924, 254.187
Yxy	40.7494, 0.1982, 0.2322
Android (android.graphics.Color)	4278695678 (0xFF07B6FE)
YUV	137.8830, 57.2457, -114.7844
Hunter-Lab	63.8353, -14.4573, -48.1665

Details

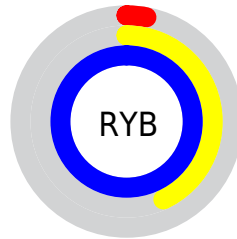
The CIELCh color **70, 47.924, 254.187** is a dark color, and the websafe version is hex **66CCFF**. The color can be described as middle saturated azure. A complement of this color would be **59, 93.386, 46.757**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 35.331, 212.027**, and **52, 43.722, 264.305** is the 20% darker color. If you saturate the color by 10%, you get **69, 48.660, 255.647**, and if you desaturate by 10%, it is **72, 45.388, 249.283**.

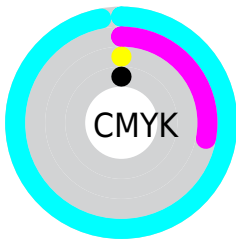
Distribution



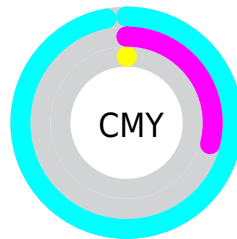
- Red (3%)
- Green (71%)
- Blue (100%)



- Red (3%)
- Yellow (43%)
- Blue (100%)



- Cyan (97%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)





- Cyan (97%)
- Magenta (29%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 47.924, 254.187 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, 47.924, 254.187 by changing the saturation by 10% instead.


 70, 47.924,
254.187


 70, 47.924,
254.187


 100, 47.924,
254.187


 60, 47.924,
254.187


 90, 47.924,
254.187

 50, 47.924,
254.187

 40, 47.924,
254.187

 30, 47.924,
254.187

 20, 47.924,
254.187

 10, 47.924,
254.187

 0, 47.924, 254.187

70, 47.924,
254.187

70, 47.924,
254.187

69, 48.660,
255.647

72, 45.388,
249.283

75, 42.483,
245.030

78, 39.011,
241.485

80, 34.872,
238.603

83, 30.048,
236.301

87, 24.580,
234.482

90, 18.540,
233.058

94, 12.019,

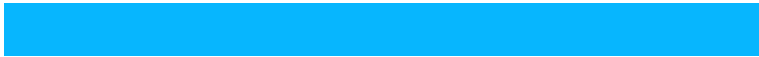
231.957

 97, 5.104, 231.152

Harmonies

Complementary

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



70, 47.924, 254.187



59, 93.386, 46.757

Rectangle

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



70, 47.924, 254.187



70, 47.924, 304.187



70, 47.924, 74.187



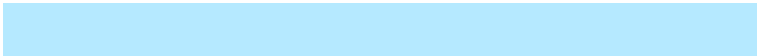
70, 47.924, 124.187

Sweetspot

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



70, 47.923, 254.188



90, 19.779, 233.303



88, 106.359, 140.776



46, 13.390, 233.895



0, 0.000, 0.000



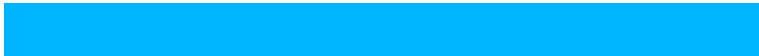
53, 0.007, 296.813

Same Dimension

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



70, 47.923, 254.188



70, 48.779, 255.656



39, 113.506, 301.676



51, 4.078, 231.313



53, 38.982, 254.695



17, 17.095, 247.748

Inverse Universe

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



57, 92.242, 344.137



57, 92.454, 344.703



83, 84.051, 86.535



50, 7.384, 334.573



43, 74.711, 344.332



11, 35.190, 341.853

Previews

White Background



This preview shows how the CIE LCh color 70, 47.924, 254.187 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, 47.924, 254.187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

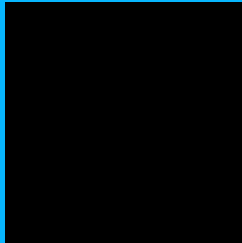
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

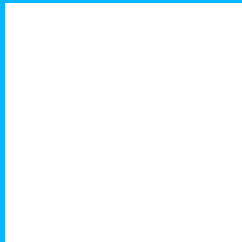
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 47.924, 254.187

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.924, 254.187.

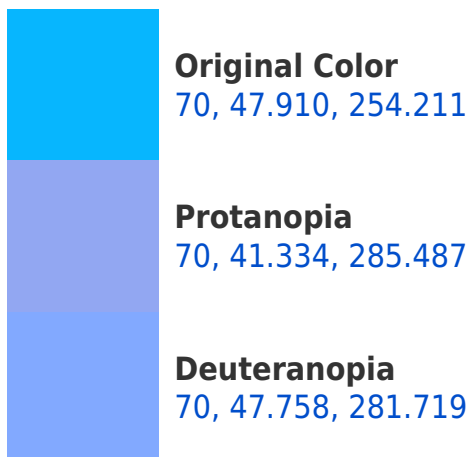


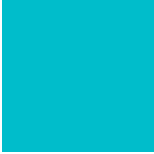
This preview shows how white text looks on a background with the CIELCh color 70, 47.924, 254.187.

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

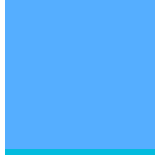
Trichromacy



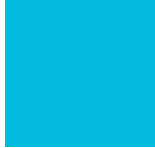
Original Color
70, 47.910, 254.211



Protanomaly
69, 43.529, 266.986



Deuteranomaly
69, 47.964, 267.892



Tritanomaly
70, 39.143, 226.792

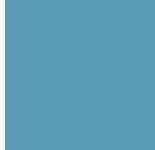
Monochromacy



Original Color
70, 47.910, 254.211



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 23.707, 236.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.924, 254.187 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(7, 182, 254)` looks like.

```
.text, #text, p{  
    color:rgb(7, 182, 254)  
}
```

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(7, 182, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 182, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.924, 254.187 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(7, 182, 254) }
```

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

```
.border{ border-color:rgb(7, 182, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 182, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 182, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 182, 254);  
box-shadow:4px 4px 4px 4px rgb(7, 182,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.924, 254.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 182, 254) }
```

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

```
.background{ background-color: rgb(7, 182,  
254) }
```

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