

Converting Colors

CIELCh(71, 47.649, 252.659)

Have a look what the booklet for
CIELCh(71, 47.649, 252.659)
contains.

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Color

CIELCh(71, 47.434, 252.427)

Conversions

Conversions Part 1

Format	Color
Hex	09B9FF
RGB	9, 185, 255
RGB Percent	4%, 73%, 100%
CMY	0.9644, 0.2728, 0.0000
CMYK	0.96, 0.27, 0.00, 0.00
HSL	197°, 100%, 52%
HSV	197°, 96%, 100%
XYZ	35.6771, 42.1875, 101.2618
YIQ	140.3560, -127.3660, -15.5420

Conversions

Conversions Part 2

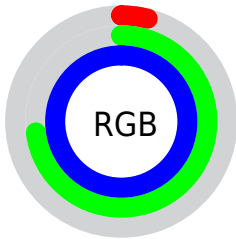
Format	Color
R_{YB}	9, 112, 255
Decimal	637439
CIE _{Lab}	71.00, -14.32, -45.22
CIE _{LCh}	71, 47.434, 252.427
Yxy	42.1875, 0.1992, 0.2355
Android (android.graphics.Color)	4278827519 (0xFF09B9FF)
YUV	140.3560, 56.5195, -115.1992
Hunter-Lab	64.9519, -15.6184, -46.9684

Details

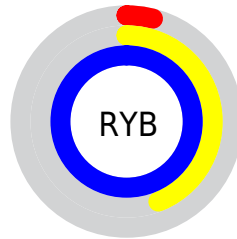
The CIELCh color **71, 47.434, 252.427** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **59, 93.598, 46.424**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 35.918, 209.102**, and **52, 42.949, 262.340** is the 20% darker color. If you saturate the color by 10%, you get **70, 48.110, 253.935**, and if you desaturate by 10%, it is **73, 44.889, 247.355**.

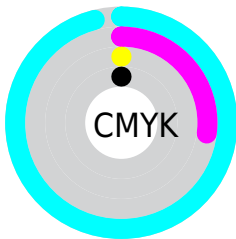
Distribution



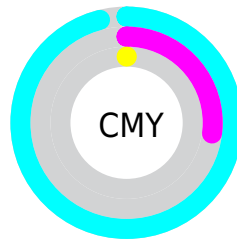
- Red (4%)
- Green (73%)
- Blue (100%)



- Red (4%)
- Yellow (44%)
- Blue (100%)



- Cyan (96%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (96%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 47.434, 252.427 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, 47.434, 252.427 by changing the saturation by 10% instead.


 71, 47.434,
252.427


 71, 47.434,
252.427


 100, 47.434,
252.427


 61, 47.434,
252.427


 91, 47.434,
252.427

 51, 47.434,
252.427

 41, 47.434,
252.427

 31, 47.434,
252.427

 21, 47.434,
252.427

 11, 47.434,
252.427

 1, 47.434, 252.427

■ 0, 47.434, 252.427

■ 71, 47.434,
252.427

■ 71, 47.434,
252.427

■ 70, 48.110,
253.935

■ 73, 44.889,
247.355

■ 76, 42.080,
243.226

■ 78, 38.663,
239.806

■ 81, 34.548,
237.040

■ 84, 29.724,
234.840

■ 87, 24.238,
233.111

■ 91, 18.170,
231.764

■ 94, 11.612,
230.729

■ 98, 4.655, 229.993

Harmonies

Complementary

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



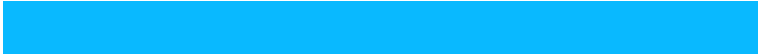
71, 47.434, 252.427



59, 93.598, 46.424

Rectangle

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



71, 47.434, 252.427



71, 47.434, 302.427



71, 47.434, 72.427



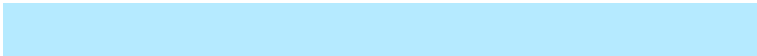
71, 47.434, 122.427

Sweetspot

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



71, 47.275, 252.159



90, 19.774, 232.077



88, 107.425, 140.418



46, 13.382, 232.646



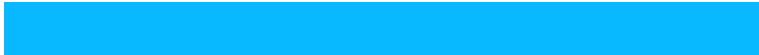
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 47.275, 252.159



70, 48.110, 253.935



40, 110.801, 300.875



51, 4.082, 230.179



54, 38.471, 252.984



17, 16.943, 246.134

Inverse Universe

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



57, 93.003, 343.383



57, 92.998, 344.043



83, 83.593, 85.174



50, 7.431, 334.216



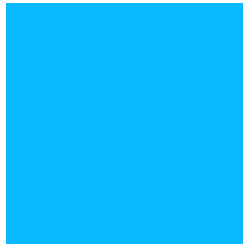
43, 75.147, 343.689



11, 35.382, 341.323

Previews

White Background



This preview shows how the CIE LCh color 71, 47.434, 252.427 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, 47.434, 252.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

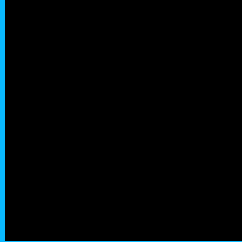
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

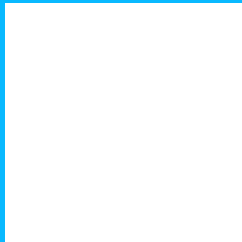
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 47.434, 252.427

Background



This preview shows how black text looks on a background with the CIELCh color 71, 47.434, 252.427.

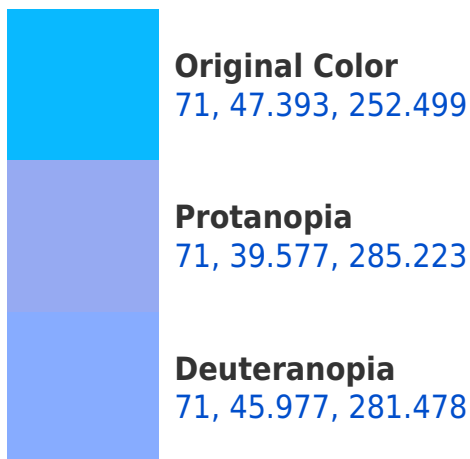


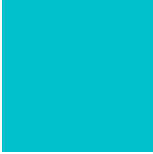
This preview shows how white text looks on a background with the CIELCh color 71, 47.434, 252.427.

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
71, 39.107, 208.060

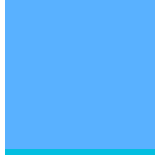
Trichromacy



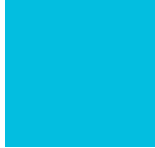
Original Color
71, 47.393, 252.499



Protanomaly
70, 42.557, 265.827



Deuteranomaly
70, 46.481, 266.529



Tritanomaly
71, 39.428, 225.517

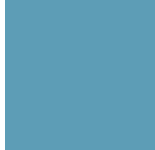
Monochromacy



Original Color
71, 47.393, 252.499



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 23.644, 234.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 47.434, 252.427 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(9, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(9, 185, 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(9, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 185, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 47.434, 252.427 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(9, 185, 255) }
```

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

```
.border{ border-color:rgb(9, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(9, 185,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 47.434, 252.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 185, 255) }
```

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

```
.background{ background-color: rgb(9, 185,  
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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