

Converting Colors

CIELCh(71, 47.338, 251.750)

Have a look what the booklet for
CIELCh(71, 47.338, 251.750)
contains.

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Color

CIELCh(71, 47.254, 251.497)

Conversions

Conversions Part 1

Format	Color
Hex	00BAFF
RGB	0, 186, 255
RGB Percent	0%, 73%, 100%
CMY	1.0000, 0.2717, 0.0012
CMYK	1.00, 0.27, 0.00, 0.00
HSL	196°, 100%, 50%
HSV	196°, 100%, 100%
XYZ	35.4772, 42.1875, 100.6265
YIQ	138.2520, -133.0050, -17.9730

Conversions

Conversions Part 2

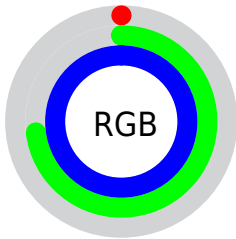
Format	Color
RYB	0, 108, 255
Decimal	47871
CIELab	71.00, -15.00, -44.81
CIELCh	71, 47.254, 251.497
Yxy	42.1875, 0.1990, 0.2366
Android (android.graphics.Color)	4278237951 (0xFF00BAFF)
YUV	138.2520, 57.5568, -121.2470
Hunter-Lab	64.9519, -16.1678, -46.3885

Details

The CIELCh color **71, 47.254, 251.497** 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 **58, 96.612, 45.504**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 36.318, 208.084**, and **53, 42.561, 261.472** is the 20% darker color. If you saturate the color by 10%, you get **71, 47.227, 251.542**, and if you desaturate by 10%, it is **73, 45.127, 246.699**.

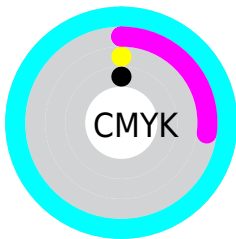
Distribution



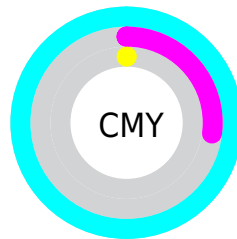
- Red (0%)
- Green (73%)
- Blue (100%)



- Red (0%)
- Yellow (42%)
- Blue (100%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 47.254, 251.497 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, 47.254, 251.497 by changing the saturation by 10% instead.


 71, 47.254,
251.497

 71, 47.254,
251.497


 100, 47.254,
251.497

 61, 47.254,
251.497


 91, 47.254,
251.497

 51, 47.254,
251.497

 41, 47.254,
251.497

 31, 47.254,
251.497

 21, 47.254,
251.497

 11, 47.254,
251.497

 1, 47.254, 251.497

■ 0, 47.254, 251.497

■ 71, 47.254,
251.497

■ 71, 47.254,
251.497

■ 71, 47.227,
251.542

■ 73, 45.127,
246.699

■ 75, 42.689,
242.438

■ 78, 39.654,
238.889

■ 81, 35.906,
236.013

■ 83, 31.414,
233.725

■ 86, 26.213,
231.930

■ 90, 20.377,
230.535

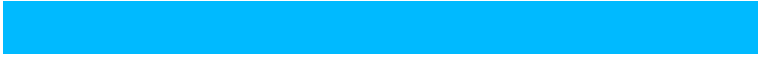
■ 93, 14.000,
229.466

■ 96, 7.179, 228.676

Harmonies

Complementary

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



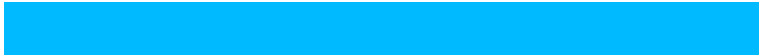
71, 47.254, 251.497



58, 96.612, 45.504

Rectangle

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



71, 47.254, 251.497



71, 47.254, 301.497



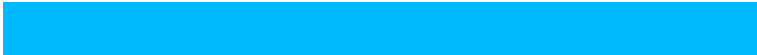
71, 47.254, 71.497



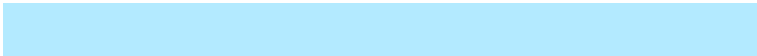
71, 47.254, 121.497

Sweetspot

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



71, 47.227, 251.542



90, 20.396, 230.535



88, 109.330, 139.795



46, 13.717, 231.080



0, 0.000, 0.000



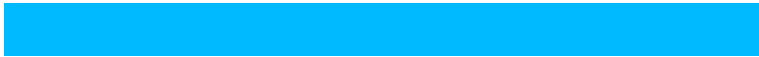
53, 0.007, 296.813

Same Dimension

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



71, 47.227, 251.542



71, 47.270, 251.545



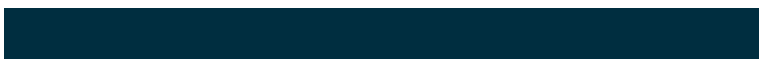
39, 114.574, 301.819



51, 4.090, 228.645



54, 37.831, 250.610



17, 16.756, 243.914

Inverse Universe

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



57, 93.673, 343.164



57, 93.756, 343.165



82, 84.095, 84.509



50, 7.495, 333.738



43, 75.755, 342.833



11, 35.648, 340.616

Previews

White Background



This preview shows how the CIE LCh color 71, 47.254, 251.497 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, 47.254, 251.497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

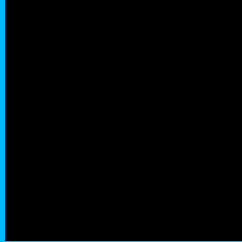
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

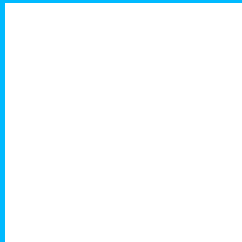
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 47.254, 251.497

Background



This preview shows how black text looks on a background with the CIELCh color 71, 47.254, 251.497.



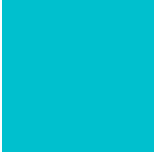
This preview shows how white text looks on a background with the CIELCh color 71, 47.254, 251.497.

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

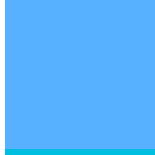
Trichromacy



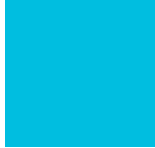
Original Color
71, 47.254, 251.497



Protanomaly
70, 42.870, 264.886



Deuteranomaly
70, 46.614, 266.147



Tritanomaly
71, 39.499, 225.457

Monochromacy



Original Color
71, 47.254, 251.497



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 24.222, 233.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 47.254, 251.497 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(0, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 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(0, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 47.254, 251.497 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(0, 186, 255) }
```

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

```
.border{ border-color:rgb(0, 186, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 186, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 47.254, 251.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 255) }
```

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

```
.background{ background-color: rgb(0, 186,  
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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