

Converting Colors

CIELCh(71, 46.373, 253.724)

Have a look what the booklet for
CIELCh(71, 46.373, 253.724)
contains.

CIELCh(71, 46.212, 253.397)	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(71, 46.212, 253.397)

Conversions

Conversions Part 1

Format	Color
Hex	27B9FE
RGB	39, 185, 254
RGB Percent	15%, 73%, 100%
CMY	0.8451, 0.2754, 0.0048
CMYK	0.84, 0.27, 0.00, 0.00
HSL	199°, 99%, 58%
HSV	199°, 84%, 100%
XYZ	36.0096, 42.1875, 99.8137
YIQ	149.2120, -109.1650, -9.4930

Conversions

Conversions Part 2

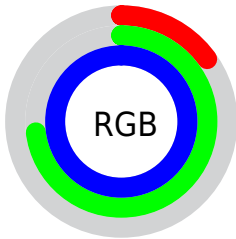
Format	Color
R _Y B	39, 126, 254
Decimal	2603518
CIE Lab	71.00, -13.20, -44.29
CIE LCh	71, 46.212, 253.397
Yxy	42.1875, 0.2023, 0.2370
Android (android.graphics.Color)	4280793598 (0xFF27B9FE)
YUV	149.2120, 51.6605, -96.6559
Hunter-Lab	64.9519, -14.7048, -45.6465

Details

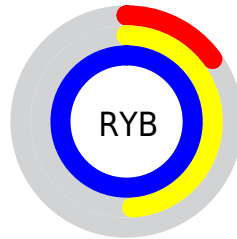
The CIELCh color **71, 46.212, 253.397** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **63, 81.077, 49.935**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 34.369, 209.730**, and **52, 42.518, 261.741** is the 20% darker color. If you saturate the color by 10%, you get **68, 49.400, 258.319**, and if you desaturate by 10%, it is **74, 42.698, 249.116**.

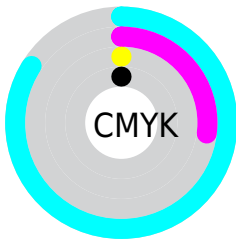
Distribution



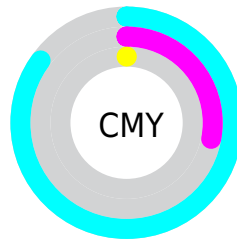
- Red (15%)
- Green (73%)
- Blue (100%)



- Red (15%)
- Yellow (49%)
- Blue (100%)



- Cyan (84%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (85%)
- Magenta (28%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 46.212, 253.397 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, 46.212, 253.397 by changing the saturation by 10% instead.


 71, 46.212,
253.397


 71, 46.212,
253.397


 100, 46.212,
253.397


 61, 46.212,
253.397


 91, 46.212,
253.397

 51, 46.212,
253.397

 41, 46.212,
253.397

 31, 46.212,
253.397

 21, 46.212,
253.397

 11, 46.212,
253.397

 1, 46.212, 253.397

0, 46.212, 253.397

71, 46.212,
253.397

71, 46.212,
253.397

68, 49.400,
258.319

74, 42.698,
249.116

67, 51.158,
261.197

77, 38.687,
245.524

80, 34.089,
242.583

83, 28.890,
240.213

87, 23.129,
238.321

90, 16.874,
236.822

■ 94, 10.204,
235.647

■ 98, 3.200, 234.821

100, 0.615,
110.006

Harmonies

Complementary

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



71, 46.212, 253.397



63, 81.077, 49.935

Rectangle

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



71, 46.212, 253.397



71, 46.212, 303.397



71, 46.212, 73.397



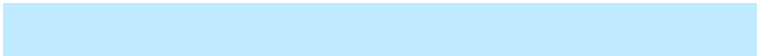
71, 46.212, 123.397

Sweetspot

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



71, 46.211, 253.398



91, 17.306, 236.898



88, 95.292, 144.352



47, 11.698, 237.392



0, 0.000, 0.000



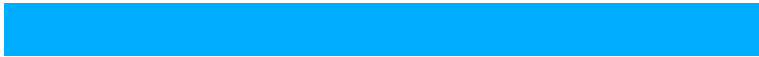
53, 0.007, 296.813

Same Dimension

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



71, 46.211, 253.398



67, 51.354, 261.211



43, 102.628, 299.402



51, 4.076, 235.179



51, 40.958, 260.234



16, 17.708, 253.057

Inverse Universe

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



58, 88.705, 343.822



56, 90.717, 347.026



87, 81.464, 91.168



50, 7.226, 335.823



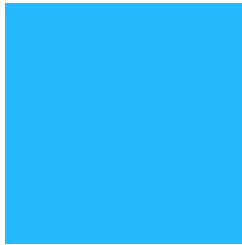
42, 73.312, 346.594



11, 34.563, 343.715

Previews

White Background



This preview shows how the CIE LCh color 71, 46.212, 253.397 looks on a white background.

Color Contrast Check

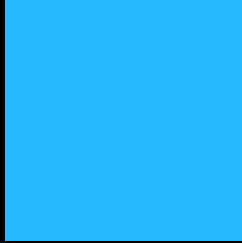
Large Text (above 18pt) WCAG AA × Fail

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, 46.212, 253.397 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

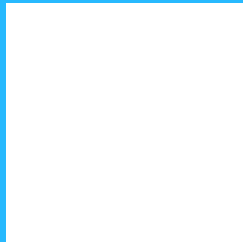
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 46.212, 253.397

Background



This preview shows how black text looks on a background with the CIELCh color 71, 46.212, 253.397.



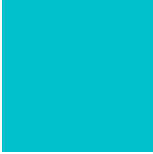
This preview shows how white text looks on a background with the CIELCh color 71, 46.212, 253.397.

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



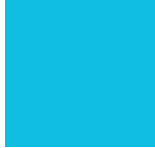
Original Color
71, 46.253, 253.322



Protanomaly
70, 41.641, 269.024



Deuteranomaly
70, 45.665, 269.048



Tritanomaly
71, 39.021, 225.892

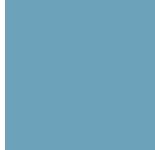
Monochromacy



Original Color
71, 46.253, 253.322



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 21.406, 239.296

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 46.212, 253.397 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(39, 185, 254)` looks like.

```
.text, #text, p{  
    color:rgb(39, 185, 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(39, 185, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 185, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 46.212, 253.397 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(39, 185, 254) }
```

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

```
.border{ border-color:rgb(39, 185, 254) }
```

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

Here you see how a box with a 4 pixel rgb(39, 185, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 185, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 185, 254);  
box-shadow:4px 4px 4px 4px rgb(39, 185,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 46.212, 253.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 185, 254) }
```

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

```
.background{ background-color: rgb(39, 185,  
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