

Converting Colors

CIELCh(71, 46.590, 252.638)

Have a look what the booklet for
CIELCh(71, 46.590, 252.638)
contains.

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Color

CIELCh(71, 46.613, 252.680)

Conversions

Conversions Part 1

Format	Color
Hex	1DB9FE
RGB	29, 185, 254
RGB Percent	11%, 73%, 100%
CMY	0.8845, 0.2740, 0.0033
CMYK	0.88, 0.27, 0.00, 0.00
HSL	198°, 99%, 56%
HSV	198°, 88%, 100%
XYZ	35.8091, 42.1875, 100.1440
YIQ	146.2220, -115.1250, -11.6130

Conversions

Conversions Part 2

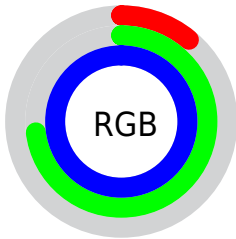
Format	Color
R _Y B	29, 121, 254
Decimal	1948158
CIE Lab	71.00, -13.88, -44.50
CIE LCh	71, 46.613, 252.680
Yxy	42.1875, 0.2010, 0.2368
Android (android.graphics.Color)	4280138238 (0xFF1DB9FE)
YUV	146.2220, 53.1346, -102.8037
Hunter-Lab	64.9519, -15.2557, -45.9481

Details

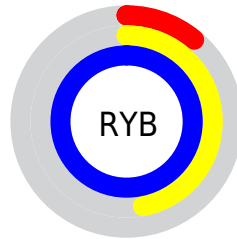
The CIELCh color **71, 46.613, 252.680** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **62, 85.658, 48.678**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 34.962, 209.484**, and **52, 42.518, 261.741** is the 20% darker color. If you saturate the color by 10%, you get **69, 49.441, 257.727**, and if you desaturate by 10%, it is **74, 43.511, 248.220**.

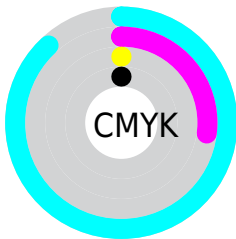
Distribution



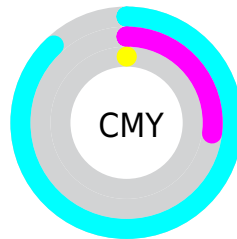
- Red (11%)
- Green (73%)
- Blue (100%)



- Red (11%)
- Yellow (47%)
- Blue (100%)



- Cyan (88%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (88%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 46.613, 252.680 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, 46.613, 252.680 by changing the saturation by 10% instead.

 71, 46.613,
252.680


 71, 46.613,
252.680


 100, 46.613,
252.680


 61, 46.613,
252.680


 91, 46.613,
252.680

 51, 46.613,
252.680

 41, 46.613,
252.680

 31, 46.613,
252.680

 21, 46.613,
252.680

 11, 46.613,
252.680

 1, 46.613, 252.680

■ 0, 46.613, 252.680

■ 71, 46.613,
252.680

■ 71, 46.613,
252.680

■ 69, 49.441,
257.727

■ 74, 43.511,
248.220

■ 68, 49.902,
258.533

■ 76, 39.918,
244.458

■ 79, 35.715,
241.371

■ 83, 30.868,
238.884

■ 86, 25.403,
236.905

■ 89, 19.385,
235.342

■ 93, 12.896,
234.119

■ 97, 6.023, 233.197

100, 0.421,
109.963

Harmonies

Complementary

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



71, 46.613, 252.680



62, 85.658, 48.678

Rectangle

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



71, 46.613, 252.680



71, 46.613, 302.680



71, 46.613, 72.680



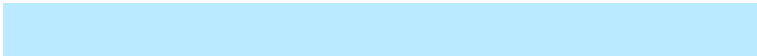
71, 46.613, 122.680

Sweetspot

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



71, 46.612, 252.681



90, 18.548, 235.152



88, 99.551, 142.996



47, 12.376, 235.627



0, 0.000, 0.000



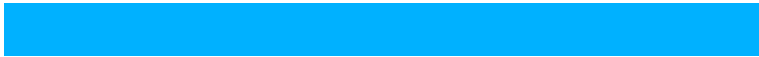
53, 0.007, 296.813

Same Dimension

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



71, 46.612, 252.681



68, 50.034, 258.543



42, 105.578, 299.885



51, 4.075, 233.282



52, 39.944, 257.571



16, 17.390, 250.488

Inverse Universe

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



58, 90.629, 343.563



57, 91.548, 345.871



85, 82.538, 89.324



50, 7.303, 335.203



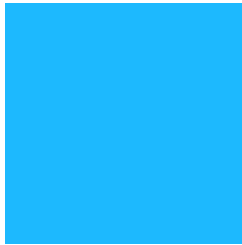
42, 73.982, 345.469



11, 34.865, 342.790

Previews

White Background



This preview shows how the CIELCh color 71, 46.613, 252.680 looks on a white background.

Color Contrast Check

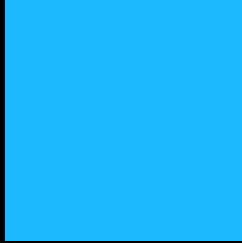
Large Text (above 18pt) WCAG AA × Fail

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, 46.613, 252.680 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

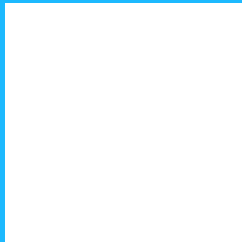
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 46.613, 252.680

Background



This preview shows how black text looks on a background with the CIELCh color 71, 46.613, 252.680.

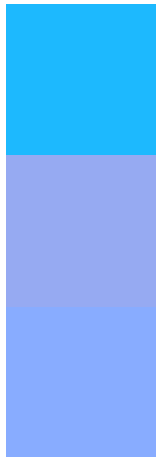


This preview shows how white text looks on a background with the CIELCh color 71, 46.613, 252.680.

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



Original Color

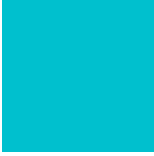
71, 46.613, 252.680

Protanopia

71, 39.577, 285.223

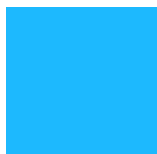
Deuteranopia

71, 45.932, 281.787

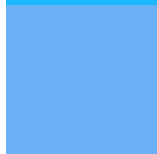


Tritanopia
71, 39.107, 208.060

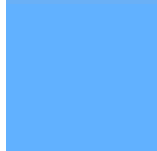
Trichromacy



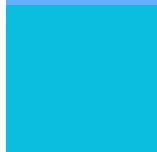
Original Color
71, 46.613, 252.680



Protanomaly
70, 41.546, 267.143

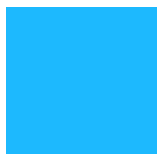


Deuteranomaly
70, 45.940, 268.164



Tritanomaly
71, 39.239, 225.678

Monochromacy



Original Color
71, 46.613, 252.680



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 22.032, 237.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 46.613, 252.680 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(29, 185, 254)` looks like.

```
.text, #text, p{  
    color:rgb(29, 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(29, 185, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 185, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 46.613, 252.680 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(29, 185, 254) }
```

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

```
.border{ border-color:rgb(29, 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(29, 185, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 185, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 185, 254);  
box-shadow:4px 4px 4px 4px rgb(29, 185,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 46.613, 252.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 185, 254) }
```

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

```
.background{ background-color: rgb(29, 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](#).

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