

Converting Colors

CIELCh(71, 46.402, 255.845)

Have a look what the booklet for
CIELCh(71, 46.402, 255.845)
contains.

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Color

CIELCh(71, 46.353, 255.717)

Conversions

Conversions Part 1

Format	Color
Hex	33B8FF
RGB	51, 184, 255
RGB Percent	20%, 72%, 100%
CMY	0.8002, 0.2785, 0.0001
CMYK	0.80, 0.28, 0.00, 0.00
HSL	201°, 100%, 60%
HSV	201°, 80%, 100%
XYZ	36.5403, 42.1875, 100.7954
YIQ	152.3270, -102.0590, -6.1150

Conversions

Conversions Part 2

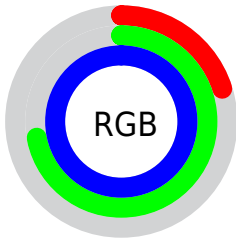
Format	Color
RYB	51, 132, 255
Decimal	3389695
CIELab	71.00, -11.44, -44.92
CIELCh	71, 46.353, 255.717
Yxy	42.1875, 0.2035, 0.2350
Android (android.graphics.Color)	4281579775 (0xFF33B8FF)
YUV	152.3270, 50.6178, -88.8638
Hunter-Lab	64.9519, -13.2463, -46.5426

Details

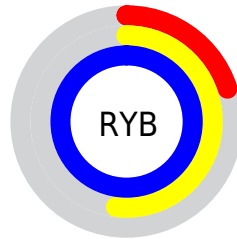
The CIELCh color **71, 46.353, 255.717** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **66, 75.901, 52.114**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 32.943, 211.314**, and **52, 43.347, 263.195** is the 20% darker color. If you saturate the color by 10%, you get **68, 50.174, 260.472**, and if you desaturate by 10%, it is **74, 42.209, 251.602**.

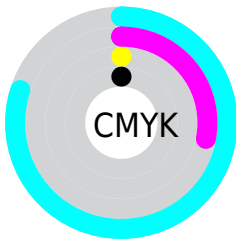
Distribution



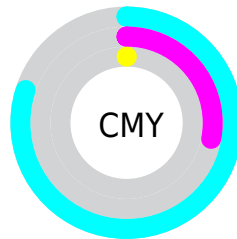
- Red (20%)
- Green (72%)
- Blue (100%)



- Red (20%)
- Yellow (52%)
- Blue (100%)



- Cyan (80%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (28%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 46.353, 255.717 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, 46.353, 255.717 by changing the saturation by 10% instead.


 71, 46.353,
255.717


 71, 46.353,
255.717


 100, 46.353,
255.717


 61, 46.353,
255.717


 91, 46.353,
255.717

 51, 46.353,
255.717

 41, 46.353,
255.717

 31, 46.353,
255.717

 21, 46.353,
255.717

 11, 46.353,
255.717

 1, 46.353, 255.717

■ 0, 46.353, 255.717

■ 71, 46.353,
255.717

■ 71, 46.353,
255.717

■ 68, 50.174,
260.472

■ 74, 42.209,
251.602

■ 65, 53.916,
265.633

■ 77, 37.602,
248.153

■ 81, 32.468,
245.322

■ 84, 26.806,
243.029

■ 88, 20.662,
241.186

■ 92, 14.100,
239.713

■ 96, 7.195, 238.558

100, 0.019,
268.963

100, 0.006, 96.720

Harmonies

Complementary

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



71, 46.353, 255.717



66, 75.901, 52.114

Rectangle

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



71, 46.353, 255.717



71, 46.353, 305.717



71, 46.353, 75.717



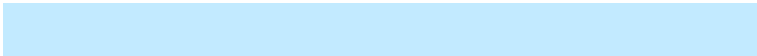
71, 46.353, 125.717

Sweetspot

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



71, 46.352, 255.718



90, 16.763, 240.260



89, 90.948, 145.815



47, 11.420, 240.794



0, 0.000, 0.000



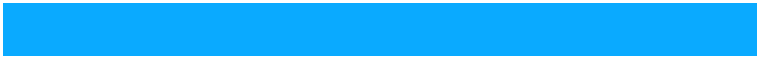
53, 0.007, 296.813

Same Dimension

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



71, 46.352, 255.718



66, 52.402, 263.566



45, 99.326, 298.807



51, 4.089, 238.508



50, 42.938, 264.655



15, 18.347, 257.393

Inverse Universe

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



59, 86.028, 344.711



56, 89.367, 348.119



89, 80.155, 92.946



50, 7.093, 336.946



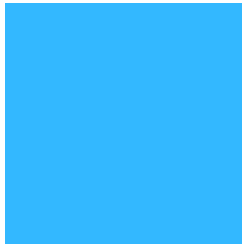
42, 72.214, 348.642



11, 34.056, 345.397

Previews

White Background



This preview shows how the CIELCh color 71, 46.353, 255.717 looks on a white background.

Color Contrast Check

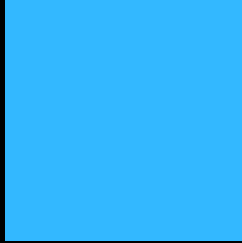
Large Text (above 18pt) WCAG AA × Fail

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, 46.353, 255.717 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

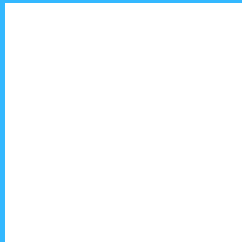
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 46.353, 255.717

Background



This preview shows how black text looks on a background with the CIELCh color 71, 46.353, 255.717.

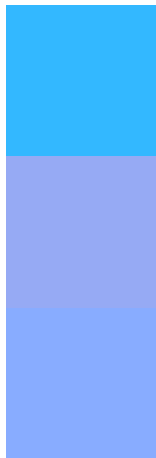


This preview shows how white text looks on a background with the CIELCh color 71, 46.353, 255.717.

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

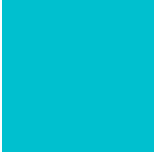
71, 46.353, 255.717

Protanopia

71, 40.643, 285.598

Deuteranopia

71, 45.932, 281.787



Tritanopia
71, 39.065, 208.919

Trichromacy



Original Color
71, 46.353, 255.717

Protanomaly
70, 42.289, 270.986

Deuteranomaly
70, 45.822, 270.677

Tritanomaly
71, 38.982, 226.882

Monochromacy



Original Color
71, 46.353, 255.717

Achromatopsia
63, 0.008, 296.813

Achromatomaly
65, 20.567, 241.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 46.353, 255.717 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(51, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 184, 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(51, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 184, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 46.353, 255.717 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(51, 184, 255) }
```

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

```
.border{ border-color:rgb(51, 184, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 184,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 46.353, 255.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 184, 255) }
```

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

```
.background{ background-color: rgb(51, 184,  
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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