

Converting Colors

CIELCh(71, 46.084, 258.861)

Have a look what the booklet for
CIELCh(71, 46.084, 258.861)
contains.

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Color

CIELCh(71, 45.752, 258.382)

Conversions

Conversions Part 1

Format	Color
Hex	43B7FF
RGB	67, 183, 255
RGB Percent	26%, 72%, 100%
CMY	0.7382, 0.2830, 0.0007
CMYK	0.74, 0.28, 0.00, 0.00
HSL	203°, 100%, 63%
HSV	203°, 74%, 100%
XYZ	37.2143, 42.1875, 100.6317
YIQ	156.5240, -92.2480, -2.2000

Conversions

Conversions Part 2

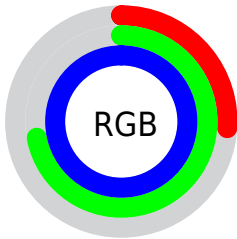
Format	Color
R _Y B	67, 139, 255
Decimal	4438015
CIE Lab	71.00, -9.21, -44.81
CIE LCh	71, 45.752, 258.382
Yxy	42.1875, 0.2067, 0.2343
Android (android.graphics.Color)	4282628095 (0xFF43B7FF)
YUV	156.5240, 48.5487, -78.5125
Hunter-Lab	64.9519, -11.3938, -46.3932

Details

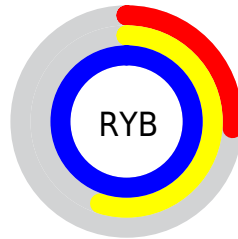
The CIELCh color **71, 45.752, 258.382** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **69, 68.386, 55.398**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 30.824, 213.440**, and **52, 43.754, 264.037** is the 20% darker color. If you saturate the color by 10%, you get **68, 50.395, 262.834**, and if you desaturate by 10%, it is **74, 40.804, 254.555**.

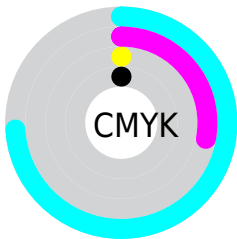
Distribution



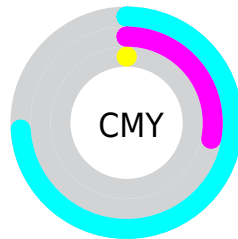
- Red (26%)
- Green (72%)
- Blue (100%)



- Red (26%)
- Yellow (55%)
- Blue (100%)



- Cyan (74%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (28%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 45.752, 258.382 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, 45.752, 258.382 by changing the saturation by 10% instead.


 71, 45.752,
258.382


 71, 45.752,
258.382


 100, 45.752,
258.382


 61, 45.752,
258.382


 91, 45.752,
258.382

 51, 45.752,
258.382

 41, 45.752,
258.382

 31, 45.752,
258.382

 21, 45.752,
258.382

 11, 45.752,
258.382

 1, 45.752, 258.382

■ 0, 45.752, 258.382

■ 71, 45.752,
258.382

■ 71, 45.752,
258.382

■ 68, 50.395,
262.834

■ 74, 40.804,
254.555

■ 65, 54.907,
267.810

■ 78, 35.453,
251.350

■ 63, 57.755,
270.990

■ 82, 29.662,
248.710

■ 86, 23.448,
246.558

■ 90, 16.857,
244.811

■ 94, 9.948, 243.405

98, 2.786, 242.380

100, 0.083,
109.238

Harmonies

Complementary

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



71, 45.752, 258.382



69, 68.386, 55.398

Rectangle

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



71, 45.752, 258.382



71, 45.752, 308.382



71, 45.752, 78.382



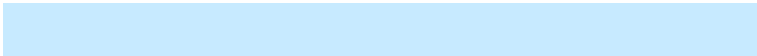
71, 45.752, 128.382

Sweetspot

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



71, 45.751, 258.383



91, 15.641, 244.534



89, 83.308, 148.284



47, 10.455, 244.955



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, 45.751, 258.383



66, 52.773, 265.366



47, 94.747, 298.399



51, 4.127, 242.899



48, 45.931, 270.030



15, 19.346, 262.787

Inverse Universe

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



60, 81.102, 345.805



57, 87.129, 349.019



91, 77.669, 95.921



50, 6.921, 338.513



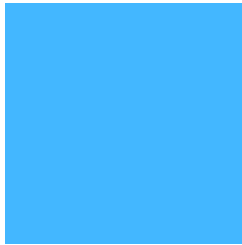
42, 70.922, 351.506



11, 33.434, 347.747

Previews

White Background



This preview shows how the CIELCh color 71, 45.752, 258.382 looks on a white background.

Color Contrast Check

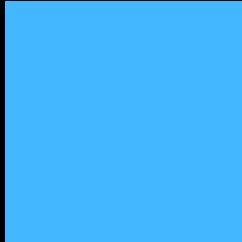
Large Text (above 18pt) WCAG AA × Fail

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, 45.752, 258.382 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

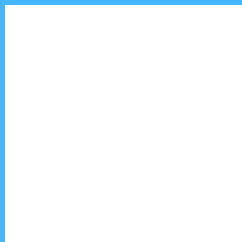
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 45.752, 258.382

Background



This preview shows how black text looks on a background with the CIELCh color 71, 45.752, 258.382.



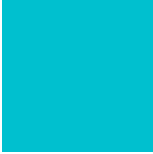
This preview shows how white text looks on a background with the CIELCh color 71, 45.752, 258.382.

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, 39.065, 208.919

Trichromacy



Original Color
71, 45.752, 258.382

Protanomaly
70, 41.928, 272.451

Deuteranomaly
71, 45.422, 272.147

Tritanomaly
71, 38.782, 227.062

Monochromacy



Original Color
71, 45.752, 258.382

Achromatopsia
64, 0.008, 296.813

Achromatomaly
66, 19.472, 246.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 45.752, 258.382 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(67, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(67, 183, 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(67, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 183, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 45.752, 258.382 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(67, 183, 255) }
```

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

```
.border{ border-color:rgb(67, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(67, 183,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 45.752, 258.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 183, 255) }
```

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

```
.background{ background-color: rgb(67, 183,  
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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