

Converting Colors

CIELCh(72, 48.553, 277.081)

Have a look what the booklet for
CIELCh(72, 48.553, 277.081)
contains.

CIELCh(72, 43.784, 273.740)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(72, 43.784, 273.740)

Conversions

Conversions Part 1

Format	Color
Hex	7BB3FF
RGB	123, 179, 255
RGB Percent	48%, 70%, 100%
CMY	0.5179, 0.2987, 0.0000
CMYK	0.52, 0.30, 0.00, 0.00
HSL	215°, 100%, 74%
HSV	215°, 52%, 100%
XYZ	42.4410, 43.6590, 101.5648
YIQ	170.9200, -57.7720, 11.7640

Conversions

Conversions Part 2

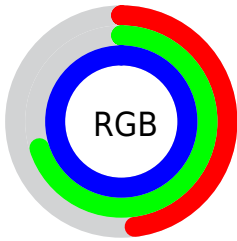
Format	Color
R _Y B	123, 162, 255
Decimal	8107007
CIE Lab	72.00, 2.86, -43.69
CIE LCh	72, 43.784, 273.740
Yxy	43.6590, 0.2262, 0.2326
Android (android.graphics.Color)	4286297087 (0xFF7BB3FF)
YUV	170.9200, 41.4514, -42.0258
Hunter-Lab	66.0750, -0.9778, -44.8830

Details

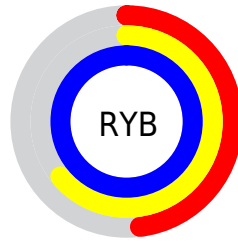
The CIELCh color **72, 43.784, 273.740** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **84, 46.828, 76.215**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 19.547, 230.804**, and **52, 43.143, 273.095** is the 20% darker color. If you saturate the color by 10%, you get **67, 51.778, 276.541**, and if you desaturate by 10%, it is **77, 34.946, 270.738**.

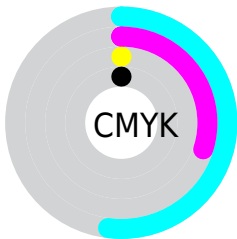
Distribution



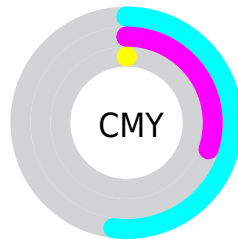
- Red (48%)
- Green (70%)
- Blue (100%)



- Red (48%)
- Yellow (64%)
- Blue (100%)



- Cyan (52%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (30%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 43.784, 273.740 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 72, 43.784, 273.740 by changing the saturation by 10% instead.


 72, 43.784,
273.740


 72, 43.784,
273.740


 100, 43.784,
273.740


 62, 43.784,
273.740


 92, 43.784,
273.740

 52, 43.784,
273.740

 42, 43.784,
273.740

 32, 43.784,
273.740

 22, 43.784,
273.740

 12, 43.784,
273.740

 2, 43.784, 273.740

0, 43.784, 273.740

72, 43.784,
273.740

72, 43.784,
273.740

67, 51.778,
276.541

77, 34.946,
270.738

62, 60.324,
280.098

83, 26.569,
268.456

57, 69.050,
284.032

88, 18.197,
266.526

53, 78.011,
288.193

94, 9.837, 264.900

49, 85.529,
291.563

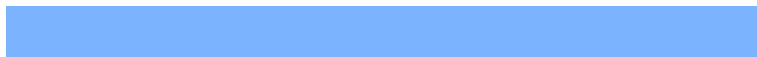
99, 1.501, 263.710

100, 0.012,
296.813

Harmonies

Complementary

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



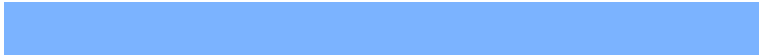
72, 43.784, 273.740



84, 46.828, 76.215

Rectangle

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



72, 43.784, 273.740



72, 43.784, 323.740



72, 43.784, 93.740



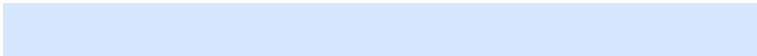
72, 43.784, 143.740

Sweetspot

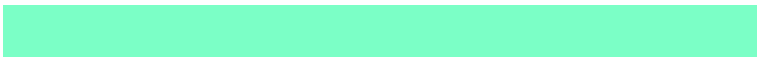
The Sweet Spot groups the original color and five complimentary colors.



72, 43.339, 273.421



91, 13.351, 265.549



92, 52.069, 161.664



47, 9.016, 265.885



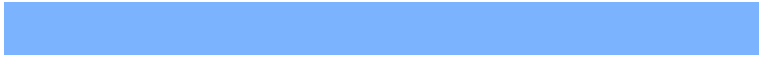
0, 0.000, 0.000



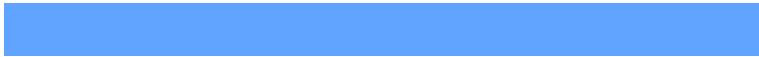
53, 0.007, 296.813

Same Dimension

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



72, 43.339, 273.421



67, 51.953, 276.610



58, 74.671, 299.573



50, 4.741, 264.569



37, 67.632, 290.816



10, 27.221, 284.898

Inverse Universe

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



69, 56.288, 354.380



64, 65.919, 356.486



97, 64.559, 108.405



50, 6.074, 348.806



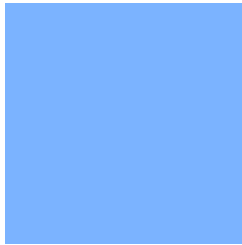
41, 68.101, 9.534



10, 31.364, 2.813

Previews

White Background



This preview shows how the CIE LCh color 72, 43.784, 273.740 looks on a white background.

Color Contrast Check

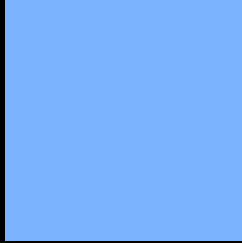
Large Text (above 18pt) WCAG AA × Fail

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 72, 43.784, 273.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

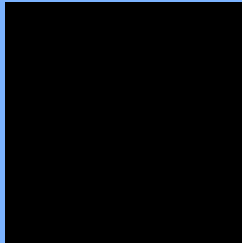
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

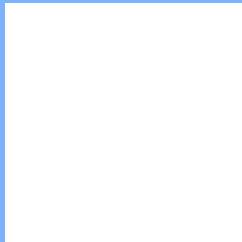
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 43.784, 273.740

Background



This preview shows how black text looks on a background with the CIELCh color 72, 43.784, 273.740.



This preview shows how white text looks on a background with the CIELCh color 72, 43.784, 273.740.

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

72, 43.262, 273.330

Protanopia

72, 42.179, 285.285

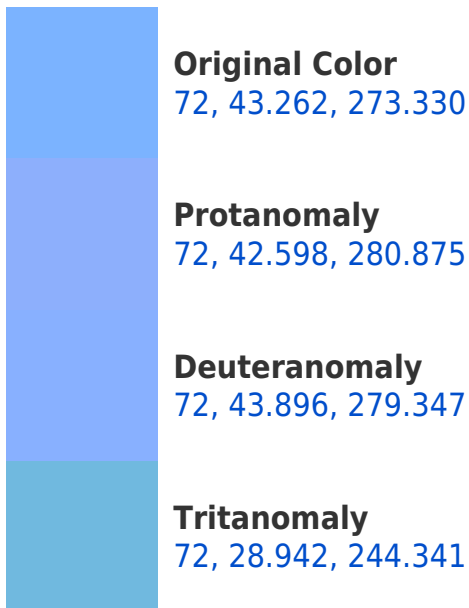
Deuteranopia

72, 44.586, 282.867

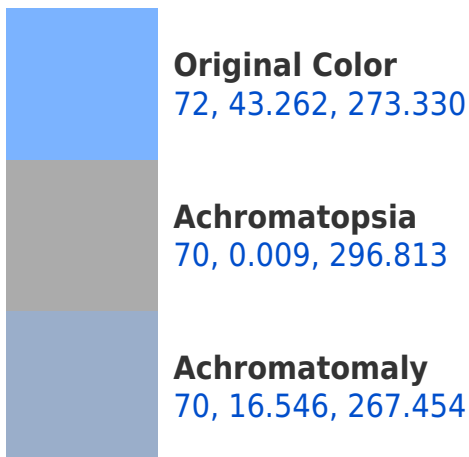


Tritanopia
72, 26.243, 215.921

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 43.784, 273.740 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(123, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 179, 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(123, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 179, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 43.784, 273.740 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(123, 179, 255) }
```

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

```
.border{ border-color:rgb(123, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 179,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 43.784, 273.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 179, 255) }
```

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

```
.background{ background-color: rgb(123,  
179, 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](#).

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