

# Converting Colors

CIELCh(73, 43.017, 254.432)

Have a look what the booklet for  
CIELCh(73, 43.017, 254.432)  
contains.

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**Color**

**CIELCh(73, 42.920, 254.260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4CBDFE
RGB	76, 189, 254
RGB Percent	30%, 74%, 100%
CMY	0.7012, 0.2583, 0.0033
CMYK	0.70, 0.26, 0.00, 0.00
HSL	202°, 99%, 65%
HSV	202°, 70%, 100%
XYZ	39.1362, 45.1644, 100.5453
YIQ	162.6230, -88.2130, -3.7410

# Conversions

## Conversions Part 2

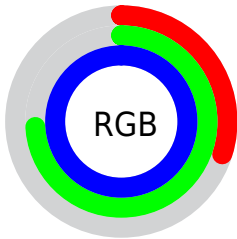
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 145, 254
Decimal	5029374
CIELab	73.00, -11.64, -41.31
CIELCh	73, 42.920, 254.260
Yxy	45.1644, 0.2117, 0.2443
Android (android.graphics.Color)	4283219454 (0xFF4CBDFE)
YUV	162.6230, 45.0489, -75.9684
Hunter-Lab	67.2044, -13.6590, -41.6613

# Details

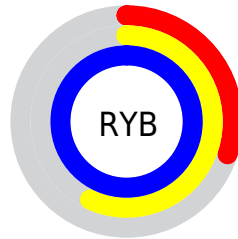
The CIELCh color **73, 42.920, 254.260** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **70, 64.544, 54.202**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 30.710, 207.370**, and **54, 41.048, 258.142** is the 20% darker color. If you saturate the color by 10%, you get **70, 47.344, 258.437**, and if you desaturate by 10%, it is **76, 38.088, 250.734**.

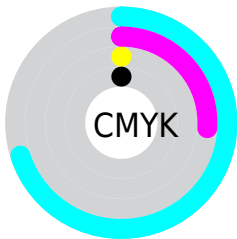
# Distribution



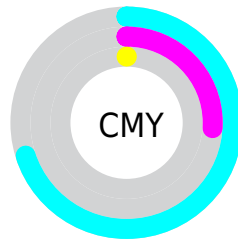
- Red (30%)
- Green (74%)
- Blue (100%)



- Red (30%)
- Yellow (57%)
- Blue (100%)



- Cyan (70%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (26%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 42.920, 254.260 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 73, 42.920, 254.260 by changing the saturation by 10% instead.





 73, 42.920,  
254.260


 73, 42.920,  
254.260


 100, 42.920,  
254.260


 63, 42.920,  
254.260


 93, 42.920,  
254.260

 53, 42.920,  
254.260

 43, 42.920,  
254.260

 33, 42.920,  
254.260

 23, 42.920,  
254.260

 13, 42.920,  
254.260

 3, 42.920, 254.260

0, 42.920, 254.260

73, 42.920,  
254.260

73, 42.920,  
254.260

70, 47.344,  
258.437

76, 38.088,  
250.734

67, 51.508,  
263.223

80, 32.782,  
247.821

64, 55.641,  
268.370

84, 26.994,  
245.448

88, 20.762,  
243.527

92, 14.143,  
241.982

96, 7.207, 240.759

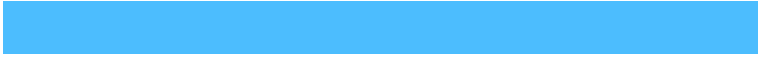
100, 0.021,  
267.620

100, 0.420,  
109.962

# Harmonies

# Complementary

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



73, 42.920, 254.260



70, 64.544, 54.202

# Rectangle

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



73, 42.920, 254.260



73, 42.920, 304.260



73, 42.920, 74.260



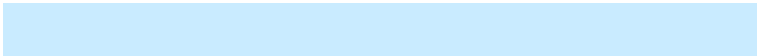
73, 42.920, 124.260

# Sweetspot

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



73, 42.919, 254.260



91, 14.849, 242.120



89, 80.916, 148.308



48, 9.994, 242.522



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



73, 42.919, 254.260



69, 49.154, 260.283



50, 87.385, 296.651



51, 4.105, 240.706



49, 44.382, 267.408



15, 18.825, 260.138



# Inverse Universe

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



62, 79.238, 344.102



58, 86.697, 346.629



90, 73.666, 95.246



50, 7.007, 337.717



42, 71.544, 350.050



11, 33.738, 346.553



# Previews

## White Background



This preview shows how the CIE LCh color 73, 42.920, 254.260 looks on a white background.

## Color Contrast Check

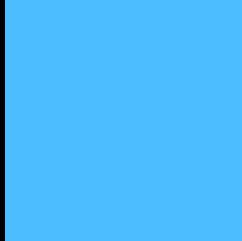
Large Text (above 18pt) WCAG AA × Fail

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 73, 42.920, 254.260 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

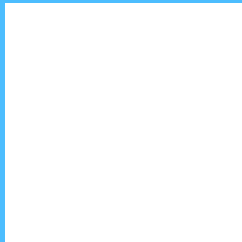
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 73, 42.920, 254.260

## Background



This preview shows how black text looks on a background with the CIELCh color 73, 42.920, 254.260.

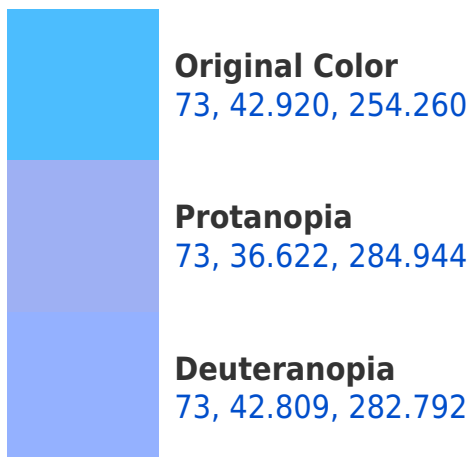


This preview shows how white text looks on a background with the CIELCh color 73, 42.920, 254.260.

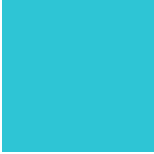
# Color Blindness Simulation

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**  
73, 37.421, 210.431

# Trichromacy



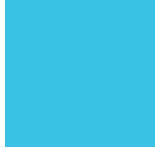
**Original Color**  
73, 42.920, 254.260



**Protanomaly**  
72, 38.139, 270.267



**Deuteranomaly**  
72, 42.442, 271.598



**Tritanomaly**  
73, 37.035, 227.570

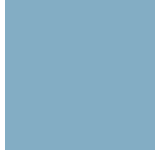
# Monochromacy



**Original Color**  
73, 42.920, 254.260



**Achromatopsia**  
67, 0.008, 296.813



**Achromatomaly**  
69, 18.361, 242.433

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 73, 42.920, 254.260 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(76, 189, 254)` looks like.

```
.text, #text, p{  
    color:rgb(76, 189, 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(76, 189, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 189, 254) }
```

## Border

The CSS property to change the border of an element to CIELCh 73, 42.920, 254.260 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(76, 189, 254) }
```

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

```
.border{ border-color:rgb(76, 189, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 189, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 189, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 189, 254);  
box-shadow:4px 4px 4px 4px rgb(76, 189,  
254) }
```

# Background

The CSS property to change the background color of an element to CIELCh 73, 42.920, 254.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 189, 254) }
```

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

```
.background{ background-color: rgb(76, 189,  
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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