

Converting Colors

CIELCh(74, 39.547, 244.063)

Have a look what the booklet for
CIELCh(74, 39.547, 244.063)
contains.

CIELCh(74, 39.418, 243.991)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(74, 39.418, 243.991)

Conversions

Conversions Part 1

Format	Color
Hex	49C2F6
RGB	73, 194, 246
RGB Percent	29%, 76%, 96%
CMY	0.7132, 0.2389, 0.0349
CMYK	0.70, 0.21, 0.00, 0.03
HSL	198°, 91%, 63%
HSV	198°, 70%, 97%
XYZ	38.7173, 46.7039, 94.2383
YIQ	163.7490, -88.8080, -9.4800

Conversions

Conversions Part 2

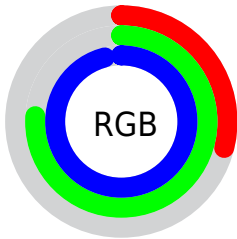
Format	Color
R _Y B	73, 144, 246
Decimal	4834038
CIE Lab	74.00, -17.29, -35.43
CIE LCh	74, 39.418, 243.991
Yxy	46.7039, 0.2155, 0.2600
Android (android.graphics.Color)	4283024118 (0xFF49C2F6)
YUV	163.7490, 40.5497, -79.5869
Hunter-Lab	68.3403, -18.4685, -33.9202

Details

The CIELCh color **74, 39.418, 243.991** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **66, 64.693, 48.837**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 32.776, 201.055**, and **54, 36.939, 248.232** is the 20% darker color. If you saturate the color by 10%, you get **71, 42.734, 247.819**, and if you desaturate by 10%, it is **77, 35.500, 240.845**.

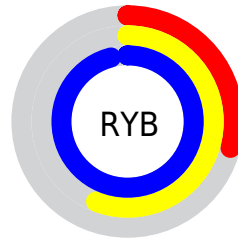
Distribution



Red (29%)

Green (76%)

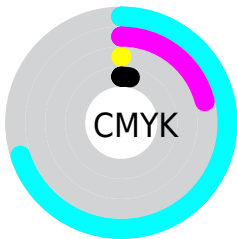
Blue (96%)



Red (29%)

Yellow (56%)

Blue (96%)

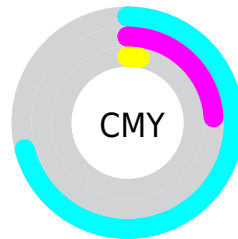


Cyan (70%)

Magenta (21%)

Yellow (0%)

Black (3%)



Cyan (71%)


Magenta (24%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 39.418, 243.991 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 74, 39.418, 243.991 by changing the saturation by 10% instead.


 74, 39.418,
243.991

 74, 39.418,
243.991


 100, 39.418,
243.991


 64, 39.418,
243.991


 94, 39.418,
243.991

 54, 39.418,
243.991

 44, 39.418,
243.991

 34, 39.418,
243.991

 24, 39.418,
243.991

 14, 39.418,
243.991

 4, 39.418, 243.991

■ 0, 39.418, 243.991

■ 74, 39.418,
243.991

■ 74, 39.418,
243.991

■ 71, 42.734,
247.819

■ 77, 35.500,
240.845

■ 69, 45.578,
252.344

■ 80, 30.940,
238.310

■ 67, 48.131,
257.236

■ 83, 25.756,
236.293

■ 86, 20.008,
234.702

■ 90, 13.778,
233.459

■ 93, 7.150, 232.512

■ 97, 0.205, 234.530

■ 99, 3.683, 100.400

■ 100, 4.505,
109.824

Harmonies

Complementary

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



74, 39.418, 243.991



66, 64.693, 48.837

Rectangle

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



74, 39.418, 243.991



74, 39.418, 293.991



74, 39.418, 63.991



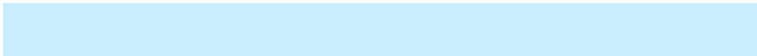
74, 39.418, 113.991

Sweetspot

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



74, 39.417, 243.991



92, 14.654, 233.542



86, 82.365, 146.396



48, 9.846, 233.862



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 39.417, 243.991



73, 45.080, 249.492



50, 80.086, 294.394



49, 3.941, 232.450



51, 38.705, 256.269



15, 16.266, 248.514

Inverse Universe

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



60, 80.505, 340.460



59, 90.070, 342.408



85, 69.568, 91.804



48, 7.095, 334.933



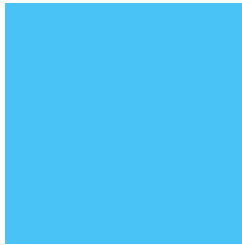
41, 72.830, 344.945



10, 33.245, 342.111

Previews

White Background



This preview shows how the CIELCh color 74, 39.418, 243.991 looks on a white background.

Color Contrast Check

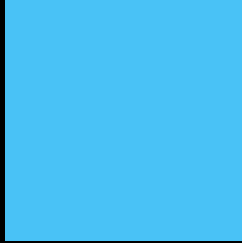
Large Text (above 18pt) WCAG AA × Fail

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 74, 39.418, 243.991 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

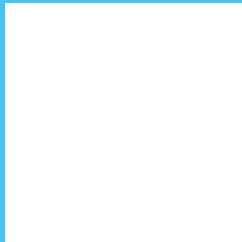
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 39.418, 243.991

Background



This preview shows how black text looks on a background with the CIELCh color 74, 39.418, 243.991.

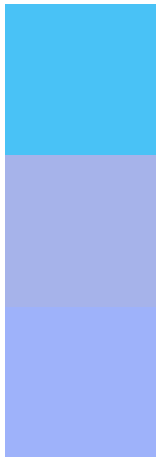


This preview shows how white text looks on a background with the CIELCh color 74, 39.418, 243.991.

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

74, 39.418, 243.991

Protanopia

74, 29.971, 285.009

Deuteranopia

74, 39.265, 284.989



Tritanopia
74, 37.162, 211.421

Trichromacy



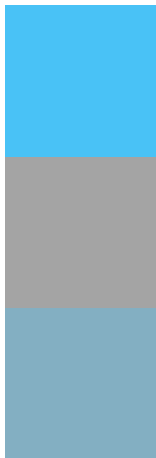
Original Color
74, 39.418, 243.991

Protanomaly
73, 32.367, 264.564

Deuteranomaly
73, 37.928, 268.294

Tritanomaly
74, 36.682, 223.840

Monochromacy



Original Color
74, 39.418, 243.991

Achromatopsia
67, 0.008, 296.813

Achromatomaly
69, 17.596, 235.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 39.418, 243.991 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(73, 194, 246)` looks like.

```
.text, #text, p{  
    color:rgb(73, 194, 246)  
}
```

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(73, 194, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 194, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 39.418, 243.991 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(73, 194, 246) }
```

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

```
.border{ border-color:rgb(73, 194, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 194, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 194, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 194, 246);  
box-shadow:4px 4px 4px 4px rgb(73, 194,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 39.418, 243.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 194, 246) }
```

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

```
.background{ background-color: rgb(73, 194,  
246) }
```

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