

# Converting Colors

CIELCh(74, 44.919, 146.088)

Have a look what the booklet for  
CIELCh(74, 44.919, 146.088)  
contains.

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# Color

**CIELCh(74, 45.127, 145.961)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AC786
RGB	122, 199, 134
RGB Percent	48%, 78%, 53%
CMY	0.5216, 0.2196, 0.4745
CMYK	0.39, 0.00, 0.33, 0.22
HSL	129°, 41%, 63%
HSV	129°, 39%, 78%
XYZ	32.7512, 46.7039, 29.8415
YIQ	168.5670, -25.0270, -36.5390

# Conversions

## Conversions Part 2

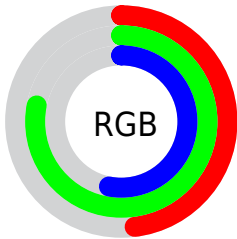
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 189, 199
Decimal	8046470
CIELab	74.00, -37.39, 25.26
CIELCh	74, 45.127, 145.961
Yxy	46.7039, 0.2997, 0.4273
Android (android.graphics.Color)	4286236550 (0xFF7AC786)
YUV	168.5670, -17.0415, -40.8393
Hunter-Lab	68.3403, -34.0517, 21.9486

# Details

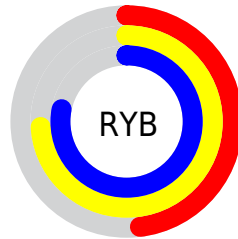
The CIELCh color  $74, 45.127, 145.961$  is a light color, and the websafe version is hex  $66CC99$ . A complement of this color would be  $61, 45.171, 331.418$ , and the grayscale version is  $69, 0.009, 296.813$ .

A 20% lighter version of the original color is  $94, 44.281, 146.258$ , and  $54, 45.353, 146.098$  is the 20% darker color. If you saturate the color by 10%, you get  $73, 56.176, 144.836$ , and if you desaturate by 10%, it is  $75, 33.627, 146.938$ .

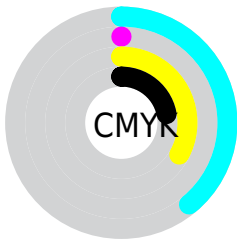
# Distribution



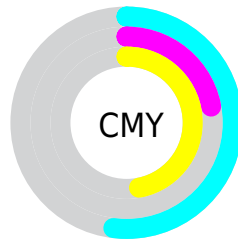
- Red (48%)
- Green (78%)
- Blue (53%)



- Red (48%)
- Yellow (74%)
- Blue (78%)



- Cyan (39%)
- Magenta (0%)
- Yellow (33%)
- Black (22%)




- Cyan (52%)
- Magenta (22%)
- Yellow (47%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 45.127, 145.961 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, 45.127, 145.961 by changing the saturation by 10% instead.





 74, 45.127,  
145.961


 74, 45.127,  
145.961


 100, 45.127,  
145.961


 64, 45.127,  
145.961


 94, 45.127,  
145.961

 54, 45.127,  
145.961

 44, 45.127,  
145.961

 34, 45.127,  
145.961

 24, 45.127,  
145.961

 14, 45.127,  
145.961

 4, 45.127, 145.961

0, 45.127, 145.961

74, 45.127,  
145.961

74, 45.127,  
145.961

73, 56.176,  
144.836

75, 33.627,  
146.938

72, 66.506,  
143.561

77, 21.901,  
147.782

71, 75.832,  
142.150

79, 10.137,  
148.519

71, 83.861,  
140.649


81, 1.520, 328.914


70, 90.320,  
139.143


83, 12.965,  
329.619

70, 95.031,  
137.787

85, 24.128,  
330.092

 70, 95.534,  
137.647

 87, 33.706,  
327.364

 87, 35.123,  
325.645

# Harmonies

# Complementary

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



74, 45.127, 145.961



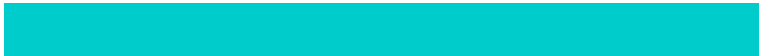
61, 45.171, 331.418

# Rectangle

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



74, 45.127, 145.961



74, 45.127, 195.961



74, 45.127, 325.961



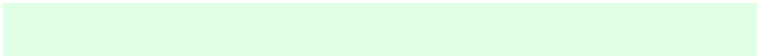
74, 45.127, 15.961

# Sweetspot

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



74, 45.128, 145.961



97, 17.148, 148.272



78, 40.490, 113.194



52, 11.382, 148.176



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, 45.128, 145.961



91, 65.078, 145.076



75, 30.562, 168.621



41, 6.612, 148.471



58, 82.048, 137.855



11, 24.652, 146.402



# Inverse Universe

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



61, 45.171, 331.418



73, 64.922, 331.932



60, 33.588, 357.051



39, 6.629, 329.566



37, 73.354, 335.506



4, 23.346, 332.933



# Previews

## White Background



This preview shows how the CIELCh color 74, 45.127, 145.961 looks on a white background.

## Color Contrast Check

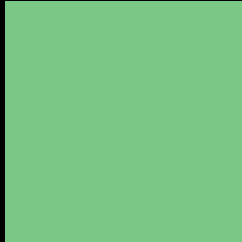
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 74, 45.127, 145.961 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, 45.127, 145.961

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 45.127, 145.961.

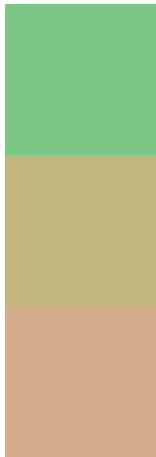


This preview shows how white text looks on a background with the CIELCh color 74, 45.127, 145.961.

# 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, 45.127, 145.961

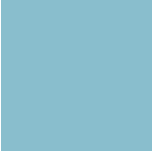
### Protanopia

74, 30.032, 96.081

### Deuteranopia

74, 24.385, 68.290





**Tritanopia**  
74, 18.880, 223.906

# Trichromacy



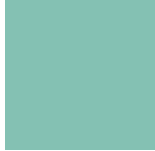
**Original Color**  
74, 45.127, 145.961



**Protanomaly**  
73, 32.448, 121.552



**Deuteranomaly**  
73, 24.185, 111.648

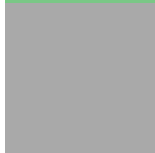


**Tritanomaly**  
74, 22.656, 178.013

# Monochromacy



**Original Color**  
74, 45.127, 145.961



**Achromatopsia**  
69, 0.009, 296.813



**Achromatomaly**  
71, 16.933, 147.617

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 45.127, 145.961 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(122, 199, 134)` looks like.

```
.text, #text, p{  
    color:rgb(122, 199, 134)  
}
```

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(122, 199, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 199, 134) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 45.127, 145.961 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(122, 199, 134) }
```

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

```
.border{ border-color:rgb(122, 199, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 199, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 199, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 199, 134); box-shadow:4px 4px 4px 4px rgb(122, 199, 134) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 45.127, 145.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 199, 134) }
```

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

```
.background{ background-color: rgb(122,  
199, 134) }
```

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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