

Converting Colors

CIELCh(74, 64.612, 140.412)

Have a look what the booklet for
CIELCh(74, 64.612, 140.412)
contains.

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Color

CIELCh(74, 64.697, 140.394)

Conversions

Conversions Part 1

Format	Color
Hex	66CB66
RGB	102, 203, 102
RGB Percent	40%, 80%, 40%
CMY	0.5985, 0.2024, 0.5986
CMYK	0.50, 0.00, 0.50, 0.20
HSL	120°, 49%, 60%
HSV	120°, 50%, 80%
XYZ	29.3838, 46.7039, 20.1261
YIQ	161.2870, -27.7750, -52.8230

Conversions

Conversions Part 2

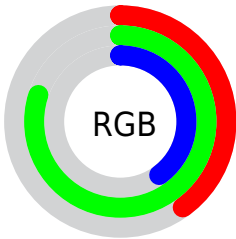
Format	Color
RYB	102, 203, 203
Decimal	6736742
CIELab	74.00, -49.85, 41.24
CIELCh	74, 64.697, 140.394
Yxy	46.7039, 0.3054, 0.4854
Android (android.graphics.Color)	4284926822 (0xFF66CB66)
YUV	161.2870, -29.2285, -51.9947
Hunter-Lab	68.3403, -42.8471, 30.3774

Details

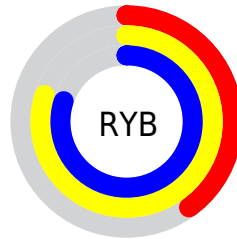
The CIELCh color **74, 64.697, 140.394** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **59, 64.364, 327.008**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 61.475, 140.558**, and **54, 64.942, 140.315** is the 20% darker color. If you saturate the color by 10%, you get **73, 75.936, 139.272**, and if you desaturate by 10%, it is **75, 52.399, 141.440**.

Distribution



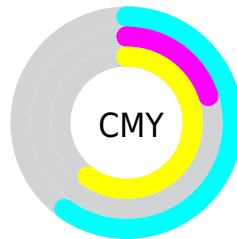
- Red (40%)
- Green (80%)
- Blue (40%)



- Red (40%)
- Yellow (80%)
- Blue (80%)



- Cyan (50%)
- Magenta (0%)
- Yellow (50%)
- Black (20%)



- Cyan (60%)
- Magenta (20%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 64.697, 140.394 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, 64.697, 140.394 by changing the saturation by 10% instead.


 74, 64.697,
140.394

 74, 64.697,
140.394


 100, 64.697,
140.394


 64, 64.697,
140.394


 94, 64.697,
140.394

 54, 64.697,
140.394

 44, 64.697,
140.394

 34, 64.697,
140.394

 24, 64.697,
140.394

 14, 64.697,
140.394

 4, 64.697, 140.394

■ 0, 64.697, 140.394

■ 74, 64.697,
140.394

■ 74, 64.697,
140.394

■ 73, 75.936,
139.272

■ 75, 52.399,
141.440

■ 72, 85.627,
138.150

■ 77, 39.446,
142.372

■ 72, 93.235,
137.152

■ 78, 26.166,
143.183

■ 72, 98.291,
136.427

■ 80, 12.811,
143.883

■ 71, 100.934,
136.026

■ 82, 0.433, 323.845

■ 71, 101.008,
136.015

■ 84, 13.433,
324.924

■ 86, 26.103,
325.352

■ 88, 32.372,
325.551

Harmonies

Complementary

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



74, 64.697, 140.394



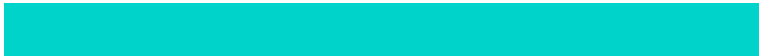
59, 64.364, 327.008

Rectangle

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



74, 64.697, 140.394



74, 64.697, 190.394



74, 64.697, 320.394



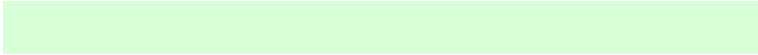
74, 64.697, 10.394

Sweetspot

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



74, 64.698, 140.394



97, 23.930, 143.509



80, 50.986, 104.722



51, 16.340, 143.356



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, 64.698, 140.394



90, 91.431, 139.145



75, 44.946, 157.594



42, 7.526, 143.902



59, 86.760, 136.014



12, 28.685, 142.906

Inverse Universe

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



59, 64.364, 327.008



68, 90.422, 327.455



57, 47.173, 347.938



40, 7.537, 324.923



39, 83.712, 328.218



5, 29.039, 327.482

Previews

White Background



This preview shows how the CIELCh color 74, 64.697, 140.394 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, 64.697, 140.394 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, 64.697, 140.394

Background



This preview shows how black text looks on a background with the CIELCh color 74, 64.697, 140.394.

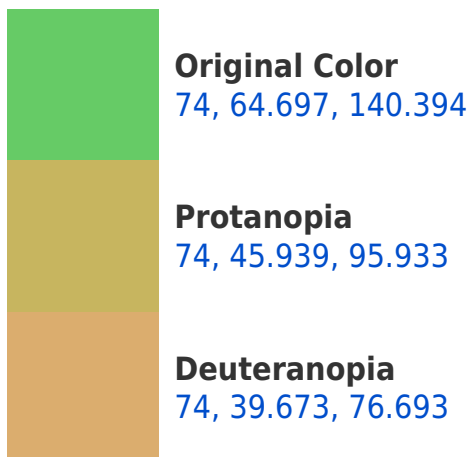


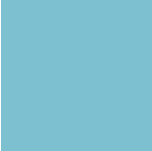
This preview shows how white text looks on a background with the CIELCh color 74, 64.697, 140.394.

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
74, 22.456, 219.329

Trichromacy



Original Color
74, 64.697, 140.394



Protanomaly
73, 48.599, 118.031



Deuteranomaly
73, 40.753, 110.346



Tritanomaly
74, 31.140, 168.968

Monochromacy



Original Color
74, 64.697, 140.394



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 24.833, 143.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 64.697, 140.394 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(102, 203, 102)` looks like.

```
.text, #text, p{  
    color:rgb(102, 203, 102)  
}
```

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(102, 203, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 203, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 64.697, 140.394 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(102, 203, 102) }
```

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

```
.border{ border-color:rgb(102, 203, 102) }
```

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

Here you see how a box with a 4 pixel rgb(102, 203, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 203, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 203, 102);  
box-shadow:4px 4px 4px 4px rgb(102, 203,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 64.697, 140.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 203, 102) }
```

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

```
.background{ background-color: rgb(102,  
203, 102) }
```

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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