

# Converting Colors

CIELCh(74, 67.638, 122.635)

Have a look what the booklet for  
CIELCh(74, 67.638, 122.635)  
contains.

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**Color**

**CIELCh(74, 67.862, 122.736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92C645
RGB	146, 198, 69
RGB Percent	57%, 78%, 27%
CMY	0.4290, 0.2251, 0.7309
CMYK	0.26, 0.00, 0.65, 0.23
HSL	84°, 53%, 52%
HSV	84°, 65%, 77%
XYZ	32.9470, 46.7039, 12.8449
YIQ	167.7460, 10.4170, -51.1430

# Conversions

## Conversions Part 2

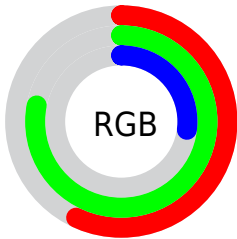
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 198, 121
Decimal	9619013
CIELab	74.00, -36.70, 57.08
CIELCh	74, 67.862, 122.736
Yxy	46.7039, 0.3562, 0.5049
Android (android.graphics.Color)	4287809093 (0xFF92C645)
YUV	167.7460, -48.6818, -19.0712
Hunter-Lab	68.3403, -33.5403, 36.6944

# Details

The CIELCh color **74, 67.862, 122.736** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **42, 77.016, 309.622**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 67.861, 122.708**, and **54, 67.922, 122.746** is the 20% darker color. If you saturate the color by 10%, you get **73, 75.694, 122.760**, and if you desaturate by 10%, it is **75, 58.774, 122.974**.

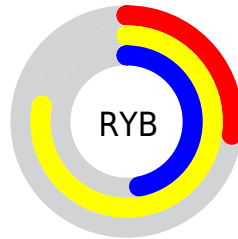
# Distribution



Red (57%)

Green (78%)

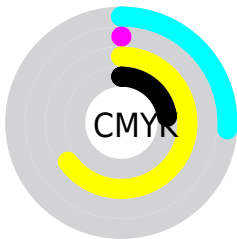
Blue (27%)



Red (27%)

Yellow (78%)

Blue (47%)

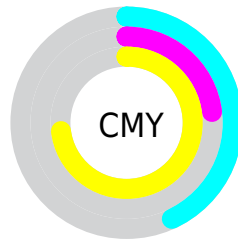


Cyan (26%)

Magenta (0%)

Yellow (65%)

Black (23%)



Cyan (43%)

Magenta (23%)


Yellow (73%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 67.862, 122.736 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, 67.862, 122.736 by changing the saturation by 10% instead.



 74, 67.862,  
122.736

 74, 67.862,  
122.736


 100, 67.862,  
122.736


 64, 67.862,  
122.736


 94, 67.862,  
122.736

 54, 67.862,  
122.736

 44, 67.862,  
122.736

 34, 67.862,  
122.736

 24, 67.862,  
122.736

 14, 67.862,  
122.736

 4, 67.862, 122.736

0, 67.862, 122.736

74, 67.862,  
122.736

74, 67.862,  
122.736

73, 75.694,  
122.760

75, 58.774,  
122.974

73, 81.790,  
123.164

75, 48.850,  
123.366

72, 85.811,  
124.048

76, 38.403,  
123.843

72, 87.258,  
124.551

77, 27.651,  
124.354

78, 16.742,  
124.870

79, 5.776, 125.378

■ 80, 5.175, 305.820

■ 81, 16.063,  
306.273

■ 83, 26.850,  
306.682

# Harmonies

# Complementary

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



74, 67.862, 122.736



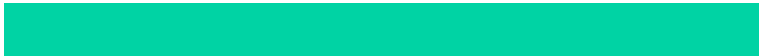
42, 77.016, 309.622

# Rectangle

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



74, 67.862, 122.736



74, 67.862, 172.736



74, 67.862, 302.736



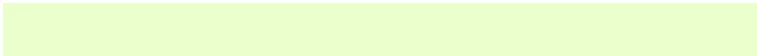
74, 67.862, 352.736

# Sweetspot

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



74, 67.863, 122.737



97, 26.942, 124.611



58, 47.935, 57.751



52, 18.370, 124.464



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, 67.863, 122.737



92, 94.877, 122.866



71, 77.938, 136.984



42, 6.245, 125.169



61, 75.572, 124.324



12, 22.088, 127.538



# Inverse Universe

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



42, 77.016, 309.622



46, 110.999, 310.208



50, 77.904, 324.449



39, 6.347, 306.079



23, 91.100, 310.023



2, 22.040, 302.622



# Previews

## White Background



This preview shows how the CIELCh color 74, 67.862, 122.736 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, 67.862, 122.736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

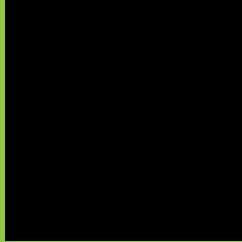
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 74, 67.862, 122.736

## Background



This preview shows how black text looks on a background with the CIELCh color 74, 67.862, 122.736.



This preview shows how white text looks on a background with the CIELCh color 74, 67.862, 122.736.

# 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, 67.862, 122.736

**Protanopia**  
74, 60.428, 95.451

**Deuteranopia**  
74, 55.747, 79.998





**Tritanopia**  
74, 11.217, 245.585

# Trichromacy



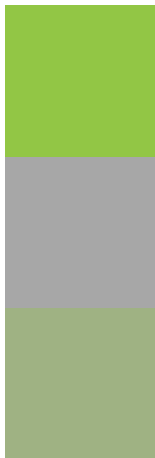
**Original Color**  
74, 67.862, 122.736

**Protanomaly**  
74, 61.237, 106.750

**Deuteranomaly**  
73, 55.413, 97.900

**Tritanomaly**  
74, 24.319, 140.470

# Monochromacy



**Original Color**  
74, 67.862, 122.736

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
70, 26.527, 124.346

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 74, 67.862, 122.736 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(146, 198, 69)` looks like.

```
.text, #text, p{  
    color:rgb(146, 198, 69)  
}
```

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(146, 198, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 198, 69) }
```

## Border

The CSS property to change the border of an element to CIELCh 74, 67.862, 122.736 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(146, 198, 69) }
```

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

```
.border{ border-color:rgb(146, 198, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 198, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 198, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 198, 69);  
box-shadow:4px 4px 4px 4px rgb(146, 198,  
69) }
```

# Background

The CSS property to change the background color of an element to CIELCh 74, 67.862, 122.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 198, 69) }
```

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

```
.background{ background-color: rgb(146,  
198, 69) }
```

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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