

# Converting Colors

CIELCh(72, 67.410, 121.465)

Have a look what the booklet for  
CIELCh(72, 67.410, 121.465)  
contains.

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**Color**

**CIELCh(72, 67.350, 121.475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FBF3E
RGB	143, 191, 62
RGB Percent	56%, 75%, 24%
CMY	0.4377, 0.2494, 0.7553
CMYK	0.25, 0.00, 0.67, 0.25
HSL	82°, 51%, 50%
HSV	82°, 67%, 75%
XYZ	30.9923, 43.6590, 11.4071
YIQ	161.9420, 12.8010, -50.2950

# Conversions

## Conversions Part 2

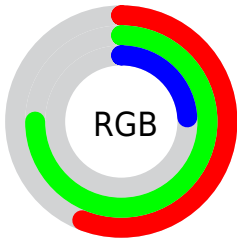
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 191, 110
Decimal	9420606
CIELab	72.00, -35.17, 57.44
CIELCh	72, 67.350, 121.475
Yxy	43.6590, 0.3601, 0.5073
Android (android.graphics.Color)	4287610686 (0xFF8FBF3E)
YUV	161.9420, -49.2714, -16.6121
Hunter-Lab	66.0750, -31.9063, 36.0167

# Details

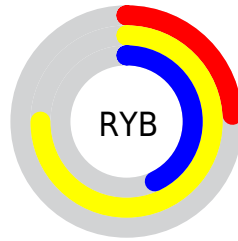
The CIELCh color **72, 67.350, 121.475** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **39, 77.482, 308.928**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 67.576, 121.454**, and **52, 65.404, 122.164** is the 20% darker color. If you saturate the color by 10%, you get **71, 74.586, 121.551**, and if you desaturate by 10%, it is **73, 58.796, 121.681**.

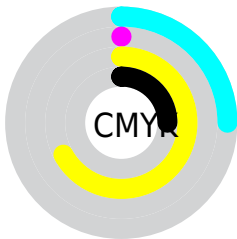
# Distribution



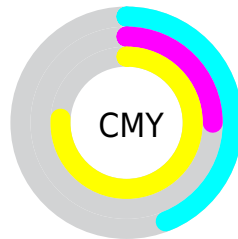
- Red (56%)
- Green (75%)
- Blue (24%)



- Red (24%)
- Yellow (75%)
- Blue (43%)



- Cyan (25%)
- Magenta (0%)
- Yellow (67%)
- Black (25%)




- Cyan (44%)
- Magenta (25%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 67.350, 121.475 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 72, 67.350, 121.475 by changing the saturation by 10% instead.





 72, 67.350,  
121.475


 72, 67.350,  
121.475


 100, 67.350,  
121.475


 62, 67.350,  
121.475


 92, 67.350,  
121.475

 52, 67.350,  
121.475

 42, 67.350,  
121.475

 32, 67.350,  
121.475

 22, 67.350,  
121.475

 12, 67.350,  
121.475

 2, 67.350, 121.475

0, 67.350, 121.475

72, 67.350,  
121.475

72, 67.350,  
121.475

71, 74.586,  
121.551

73, 58.796,  
121.681

71, 80.047,  
122.022

73, 49.351,  
122.061

71, 83.534,  
122.954

74, 39.341,  
122.537

70, 84.307,  
123.214

75, 28.994,  
123.058

76, 18.462,  
123.591

77, 7.851, 124.118

■ 78, 2.766, 304.582

■ 79, 13.339,  
305.072

■ 80, 23.830,  
305.511

# Harmonies

# Complementary

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



72, 67.350, 121.475



39, 77.482, 308.928

# Rectangle

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



72, 67.350, 121.475



72, 67.350, 171.475



72, 67.350, 301.475



72, 67.350, 351.475

# Sweetspot

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



72, 67.351, 121.476



96, 26.338, 123.436



55, 48.849, 54.566



51, 17.953, 123.284



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



72, 67.351, 121.476



91, 94.725, 121.726



69, 77.283, 136.206



41, 6.077, 124.015



60, 73.935, 123.007



11, 20.180, 127.288



# Inverse Universe

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



39, 77.482, 308.928



43, 112.894, 309.589



47, 77.626, 323.430



38, 6.180, 304.965



22, 90.594, 309.497



2, 19.866, 301.196



# Previews

## White Background



This preview shows how the CIELCh color 72, 67.350, 121.475 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 72, 67.350, 121.475 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 72, 67.350, 121.475

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 67.350, 121.475.

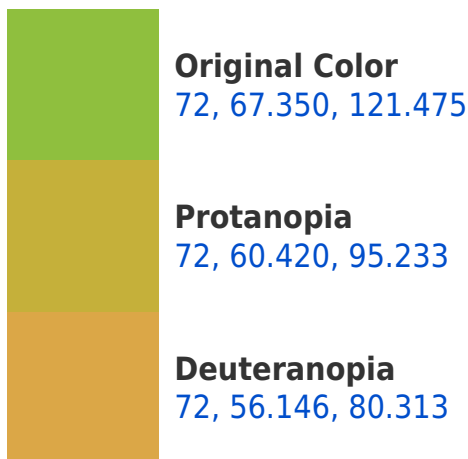


This preview shows how white text looks on a background with the CIELCh color 72, 67.350, 121.475.

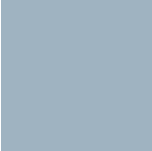
# Color Blindness Simulation

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**  
72, 10.216, 247.521

# Trichromacy



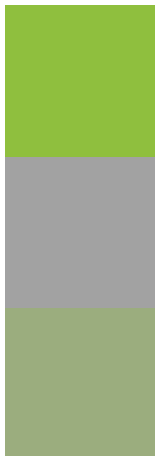
**Original Color**  
72, 67.350, 121.475

**Protanomaly**  
72, 61.181, 105.814

**Deuteranomaly**  
71, 55.980, 97.293

**Tritanomaly**  
72, 23.862, 138.253

# Monochromacy



**Original Color**  
72, 67.350, 121.475

**Achromatopsia**  
67, 0.008, 296.813

**Achromatomaly**  
68, 26.540, 123.499

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 67.350, 121.475 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(143, 191, 62)` looks like.

```
.text, #text, p{  
    color:rgb(143, 191, 62)  
}
```

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(143, 191, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 191, 62) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 67.350, 121.475 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(143, 191, 62) }
```

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

```
.border{ border-color:rgb(143, 191, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 191, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 191, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 191, 62);  
box-shadow:4px 4px 4px 4px rgb(143, 191,  
62) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 67.350, 121.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 191, 62) }
```

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

```
.background{ background-color: rgb(143,  
191, 62) }
```

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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