

# Converting Colors

CIELCh(54, 67.302, 122.466)

Have a look what the booklet for  
CIELCh(54, 67.302, 122.466)  
contains.

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**Color**

**CIELCh(54, 67.169, 122.301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5C8F02
RGB	92, 143, 2
RGB Percent	36%, 56%, 1%
CMY	0.6387, 0.4387, 0.9911
CMYK	0.36, 0.00, 0.98, 0.44
HSL	82°, 97%, 29%
HSV	82°, 98%, 56%
XYZ	14.2839, 21.9746, 3.5537
YIQ	111.6770, 14.8650, -54.6630

# Conversions

## Conversions Part 2

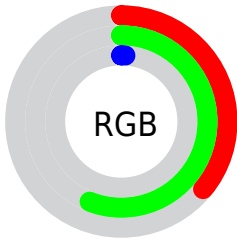
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	2, 143, 53
Decimal	6065922
CIE Lab	54.00, -35.89, 56.77
CIE LCh	54, 67.169, 122.301
Yxy	21.9746, 0.3588, 0.5520
Android (android.graphics.Color)	4284256002 (0xFF5C8F02)
YUV	111.6770, -54.0708, -17.2567
Hunter-Lab	46.8770, -27.6441, 28.3193

# Details

The CIELCh color **54, 67.169, 122.301** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **19, 82.481, 309.412**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 67.221, 122.246**, and **34, 52.584, 129.542** is the 20% darker color. If you saturate the color by 10%, you get **54, 67.648, 122.417**, and if you desaturate by 10%, it is **54, 64.068, 121.532**.

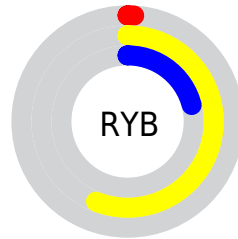
# Distribution



Red (36%)

Green (56%)

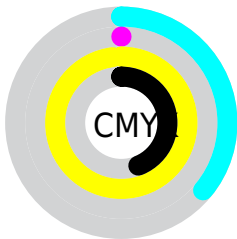
Blue (1%)



Red (1%)

Yellow (56%)

Blue (21%)

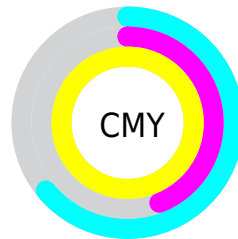


Cyan (36%)

Magenta (0%)

Yellow (98%)

Black (44%)



Cyan (64%)

Magenta (44%)


Yellow (99%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 67.169, 122.301 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 54, 67.169, 122.301 by changing the saturation by 10% instead.





 54, 67.169,  
122.301


 54, 67.169,  
122.301


 100, 67.169,  
122.301


 44, 67.169,  
122.301


 74, 67.169,  
122.301

 34, 67.169,  
122.301

 84, 67.169,  
122.301

 24, 67.169,  
122.301

 94, 67.169,  
122.301

 14, 67.169,  
122.301

 4, 67.169, 122.301

 0, 67.169, 122.301

■ 54, 67.169,  
122.301

■ 54, 67.169,  
122.301

■ 54, 67.648,  
122.417

■ 54, 64.068,  
121.532

■ 55, 59.652,  
121.117

■ 55, 53.889,  
121.071

■ 56, 47.126,  
121.285

■ 56, 39.685,  
121.664

■ 57, 31.808,  
122.134

■ 57, 23.669,  
122.649

■ 58, 15.382,

123.176

■ 59, 7.029, 123.698

# Harmonies

# Complementary

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



54, 67.169, 122.301



19, 82.481, 309.412

# Rectangle

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



54, 67.169, 122.301



54, 67.169, 172.301



54, 67.169, 302.301



54, 67.169, 352.301

# Sweetspot

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



54, 67.169, 122.302



73, 30.934, 122.533



35, 58.393, 50.834



38, 21.226, 122.337



88, 0.010, 296.813



40, 0.006, 296.813





# Same Dimension

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



54, 67.169, 122.302



69, 82.290, 122.746



52, 76.389, 135.048



30, 4.709, 123.659



51, 64.842, 122.335



2, 3.189, 124.110



# Inverse Universe

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



19, 82.481, 309.412



26, 101.363, 309.219



30, 75.638, 322.644



28, 4.787, 304.579



17, 79.858, 309.488



0, 3.189, 304.109



# Previews

## White Background



This preview shows how the CIELCh color 54, 67.169, 122.301 looks on a white background.

## Color Contrast Check

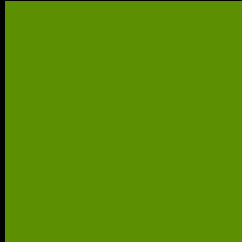
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 67.169, 122.301 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 × Fail

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

# CIELCh 54, 67.169, 122.301

## Background



This preview shows how black text looks on a background with the CIELCh color 54, 67.169, 122.301.



This preview shows how white text looks on a background with the CIELCh color 54, 67.169, 122.301.

# 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

54, 67.169, 122.301

### Protanopia

54, 58.999, 95.371

### Deuteranopia

54, 53.457, 82.554





**Tritanopia**  
54, 11.149, 233.519

# Trichromacy



**Original Color**  
54, 67.169, 122.301

**Protanomaly**  
53, 60.068, 106.465

**Deuteranomaly**  
53, 55.165, 99.829

**Tritanomaly**  
53, 29.464, 136.492

# Monochromacy



**Original Color**  
54, 67.169, 122.301

**Achromatopsia**  
47, 0.006, 296.813

**Achromatomaly**  
49, 30.205, 121.653

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 67.169, 122.301 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(92, 143, 2)` looks like.

```
.text, #text, p{  
    color:rgb(92, 143, 2)  
}
```

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(92, 143, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 143, 2) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 67.169, 122.301 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(92, 143, 2) }
```

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

```
.border{ border-color:rgb(92, 143, 2) }
```

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

Here you see how a box with a 4 pixel rgb(92, 143, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 143, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 143, 2);  
box-shadow:4px 4px 4px 4px rgb(92, 143, 2)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 67.169, 122.301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 143, 2) }
```

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

```
.background{ background-color: rgb(92, 143,  
2) }
```

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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