

# Converting Colors

CIELCh(72, 100.314, 136.393)

Have a look what the booklet for  
CIELCh(72, 100.314, 136.393)  
contains.

<b>CIELCh(72, 100.358, 136.386)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	25
<b><i>CSS Examples</i></b> .....	28

**Color**

**CIELCh(72, 100.358, 136.386)**

# Conversions

## Conversions Part 1

Format	Color
Hex	04CD0D
RGB	4, 205, 13
RGB Percent	2%, 80%, 5%
CMY	0.9831, 0.1966, 0.9502
CMYK	0.98, 0.00, 0.94, 0.20
HSL	123°, 96%, 41%
HSV	123°, 98%, 80%
XYZ	21.9261, 43.6590, 7.6418
YIQ	123.0130, -58.1640, -102.3240

# Conversions

## Conversions Part 2

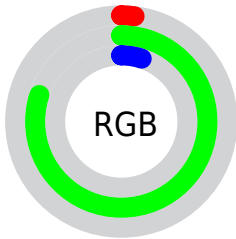
Format	Color
<a href="#">RYB</a>	4, 196, 205
Decimal	314637
CIELab	72.00, -72.66, 69.23
CIELCh	72, 100.358, 136.386
Yxy	43.6590, 0.2994, 0.5962
Android (android.graphics.Color)	4278504717 (0xFF04CD0D)
YUV	123.0130, -54.2364, -104.3744
Hunter-Lab	66.0750, -56.3984, 39.3954

# Details

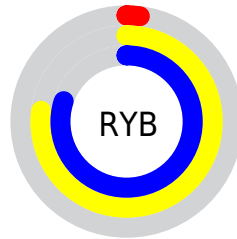
The CIELCh color **72, 100.358, 136.386** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **48, 94.479, 329.937**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 96.595, 136.362**, and **53, 80.232, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 100.831, 136.314**, and if you desaturate by 10%, it is **72, 96.829, 137.084**.

# Distribution



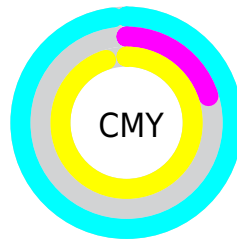
- Red (2%)
- Green (80%)
- Blue (5%)



- Red (2%)
- Yellow (77%)
- Blue (80%)



- Cyan (98%)
- Magenta (0%)
- Yellow (94%)
- Black (20%)




- Cyan (98%)
- Magenta (20%)
- Yellow (95%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 100.358, 136.386 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, 100.358, 136.386 by changing the saturation by 10% instead.





 72, 100.358,  
136.386


 72, 100.358,  
136.386


 100, 100.358,  
136.386


 62, 100.358,  
136.386


 92, 100.358,  
136.386

 52, 100.358,  
136.386

 42, 100.358,  
136.386

 32, 100.358,  
136.386

 22, 100.358,  
136.386

 12, 100.358,  
136.386

 2, 100.358,

136.386

■ 0, 100.358,  
136.386

■ 72, 100.358,  
136.386

■ 72, 100.358,  
136.386

■ 72, 100.831,  
136.314

■ 72, 96.829,  
137.084

■ 73, 90.821,  
138.101

■ 73, 82.589,  
139.286

■ 74, 72.582,  
140.507

■ 75, 61.261,  
141.670

■ 76, 49.041,  
142.722

■ 77, 36.278,  
143.648

■ 79, 23.258,  
144.448

■ 81, 10.207,  
145.143

# Harmonies

# Complementary

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



72, 100.358, 136.386



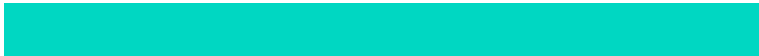
48, 94.479, 329.937

# Rectangle

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



72, 100.358, 136.386



72, 100.358, 186.386



72, 100.358, 316.386



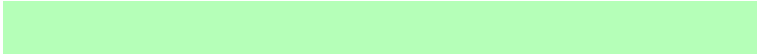
72, 100.358, 6.386

# Sweetspot

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



72, 100.357, 136.387



94, 45.026, 143.520



79, 81.842, 104.928



49, 30.842, 143.128



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



72, 100.357, 136.387



88, 119.118, 136.243



73, 72.257, 151.167



42, 7.314, 145.044



59, 85.950, 136.402



12, 28.109, 143.605



# Inverse Universe

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



48, 94.479, 329.937



60, 111.763, 330.006



44, 71.269, 4.644



40, 7.327, 326.080



39, 81.030, 329.955

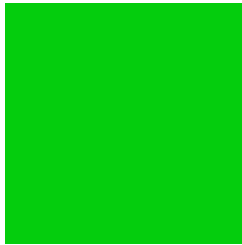


5, 28.084, 328.880



# Previews

## White Background



This preview shows how the CIELCh color 72, 100.358, 136.386 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, 100.358, 136.386 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

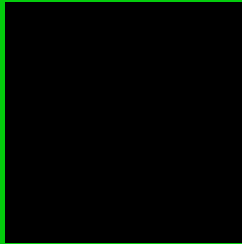
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 72, 100.358, 136.386**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 100.358, 136.386.



This preview shows how white text looks on a background with the CIELCh color 72, 100.358,





# 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

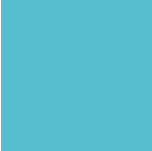
72, 100.383, 136.403

### Protanopia

71, 73.802, 95.071

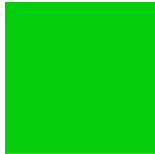
### Deuteranopia

71, 65.690, 81.882



**Tritanopia**  
72, 30.591, 214.042

# Trichromacy



**Original Color**

72, 100.383, 136.403



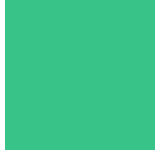
**Protanomaly**

69, 80.536, 120.867



**Deuteranomaly**

68, 71.186, 116.719



**Tritanomaly**

71, 54.076, 159.156

# Monochromacy



**Original Color**

72, 100.383, 136.403



**Achromatopsia**

52, 0.007, 296.813



**Achromatomaly**

57, 48.218, 141.781

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 100.358, 136.386 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(4, 205, 13)` looks like.

```
.text, #text, p{  
    color:rgb(4, 205, 13)  
}
```

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(4, 205, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 205, 13) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 100.358, 136.386 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(4, 205, 13) }
```

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

```
.border{ border-color:rgb(4, 205, 13) }
```

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

Here you see how a box with a 4 pixel rgb(4, 205, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 205, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 205, 13);  
box-shadow:4px 4px 4px 4px rgb(4, 205, 13)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 100.358, 136.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 205, 13) }
```

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

```
.background{ background-color: rgb(4, 205,  
13) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**



**Follow me  
on Twitter!**

@ConvertingColor