

Converting Colors

CIELCh(72, 99.480, 134.715)

Have a look what the booklet for
CIELCh(72, 99.480, 134.715)
contains.

CIELCh(72, 99.465, 134.704)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 99.465, 134.704)

Conversions

Conversions Part 1

Format	Color
Hex	29CC00
RGB	41, 204, 0
RGB Percent	16%, 80%, 0%
CMY	0.8392, 0.2000, 0.9999
CMYK	0.80, 0.00, 1.00, 0.20
HSL	108°, 100%, 40%
HSV	108°, 100%, 80%
XYZ	22.5085, 43.6590, 7.2410
YIQ	132.0070, -31.6640, -98.0000

Conversions

Conversions Part 2

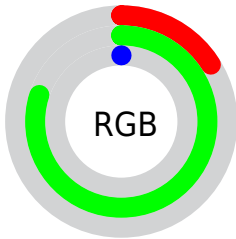
Format	Color
RYB	0, 204, 163
Decimal	2739200
CIELab	72.00, -69.97, 70.69
CIELCh	72, 99.465, 134.704
Yxy	43.6590, 0.3066, 0.5947
Android (android.graphics.Color)	4280929280 (0xFF29CC00)
YUV	132.0070, -65.0795, -79.8131
Hunter-Lab	66.0750, -54.8251, 39.7551

Details

The CIELCh color **72, 99.465, 134.704** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **41, 99.572, 320.627**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 96.151, 134.459**, and **53, 79.838, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **72, 99.469, 134.705**, and if you desaturate by 10%, it is **72, 95.997, 134.374**.

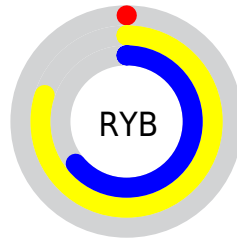
Distribution



Red (16%)

Green (80%)

Blue (0%)



Red (0%)

Yellow (80%)

Blue (64%)

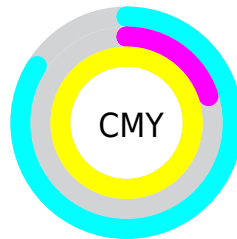


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (84%)


Magenta (20%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 99.465, 134.704 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, 99.465, 134.704 by changing the saturation by 10% instead.


 72, 99.465,
134.704


 72, 99.465,
134.704


 100, 99.465,
134.704


 62, 99.465,
134.704


 92, 99.465,
134.704

 52, 99.465,
134.704

 42, 99.465,
134.704

 32, 99.465,
134.704

 22, 99.465,
134.704

 12, 99.465,
134.704

 2, 99.465, 134.704

■ 0, 99.465, 134.704

■ 72, 99.465,
134.704

■ 72, 99.465,
134.704

■ 72, 99.469,
134.705

■ 72, 95.997,
134.374

■ 73, 90.283,
134.349

■ 73, 82.299,
134.674

■ 74, 72.548,
135.225

■ 75, 61.554,
135.882

■ 76, 49.754,
136.560

■ 77, 37.481,
137.209

■ 79, 24.980,
137.805

■ 80, 12.433,
138.341

Harmonies

Complementary

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



72, 99.465, 134.704



41, 99.572, 320.627

Rectangle

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



72, 99.465, 134.704



72, 99.465, 184.704



72, 99.465, 314.704



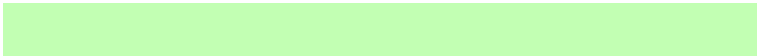
72, 99.465, 4.704

Sweetspot

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



72, 99.464, 134.705



94, 44.941, 137.184



68, 71.671, 86.285



50, 30.618, 136.911



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, 99.464, 134.705



88, 117.864, 134.824



72, 90.950, 140.516



42, 7.061, 138.371



59, 85.086, 134.565



12, 27.035, 138.829

Inverse Universe

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



41, 99.572, 320.627



52, 117.853, 320.535



46, 78.772, 343.806



40, 7.101, 319.180



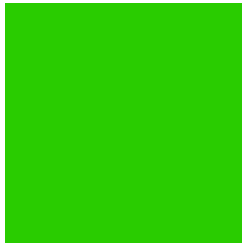
33, 85.297, 320.731



4, 26.957, 319.364

Previews

White Background



This preview shows how the CIELCh color 72, 99.465, 134.704 looks on a white background.

Color Contrast Check

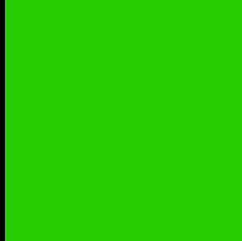
Large Text (above 18pt) WCAG AA × Fail

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 72, 99.465, 134.704 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, 99.465, 134.704

Background



This preview shows how black text looks on a background with the CIELCh color 72, 99.465, 134.704.

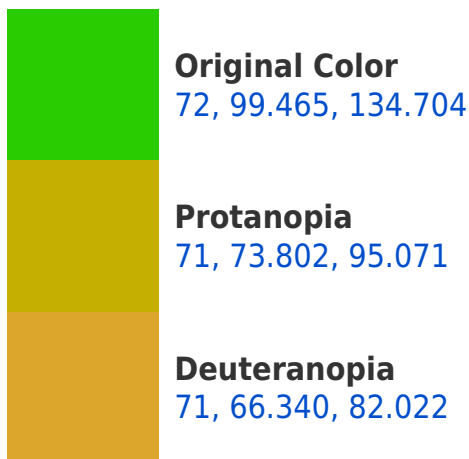


This preview shows how white text looks on a background with the CIELCh color 72, 99.465, 134.704.

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, 29.214, 213.798

Trichromacy



Original Color
72, 99.465, 134.704



Protanomaly
70, 79.419, 117.240



Deuteranomaly
69, 71.434, 112.077



Tritanomaly
71, 53.768, 154.756

Monochromacy



Original Color
72, 99.465, 134.704



Achromatopsia
55, 0.007, 296.813



Achromatomaly
60, 47.046, 136.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 99.465, 134.704 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(41, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(41, 204, 0)  
}
```

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(41, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 204, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 99.465, 134.704 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(41, 204, 0) }
```

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

```
.border{ border-color:rgb(41, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(41, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(41, 204, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 72, 99.465, 134.704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 204, 0) }
```

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

```
.background{ background-color: rgb(41, 204,  
0) }
```

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