

Converting Colors

CIELCh(69, 90.949, 131.320)

Have a look what the booklet for
CIELCh(69, 90.949, 131.320)
contains.

CIELCh(69, 90.843, 131.358)	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(69, 90.843, 131.358)

Conversions

Conversions Part 1

Format	Color
Hex	4BC004
RGB	75, 192, 4
RGB Percent	29%, 75%, 2%
CMY	0.7045, 0.2459, 0.9852
CMYK	0.61, 0.00, 0.98, 0.25
HSL	97°, 96%, 38%
HSV	97°, 98%, 75%
XYZ	21.8624, 39.3444, 6.5500
YIQ	135.5850, -9.3840, -83.2720

Conversions

Conversions Part 2

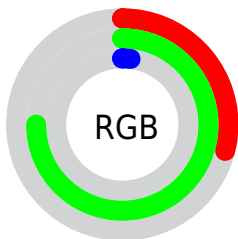
Format	Color
RYB	4, 192, 121
Decimal	4964356
CIELab	69.00, -60.03, 68.19
CIELCh	69, 90.843, 131.358
Yxy	39.3444, 0.3227, 0.5807
Android (android.graphics.Color)	4283154436 (0xFF4BC004)
YUV	135.5850, -64.8714, -53.1330
Hunter-Lab	62.7251, -47.5540, 37.7163

Details

The CIELCh color **69, 90.843, 131.358** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed green. A complement of this color would be **34, 97.667, 315.063**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 90.741, 131.392**, and **49, 75.472, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **69, 91.519, 131.512**, and if you desaturate by 10%, it is **69, 86.884, 130.561**.

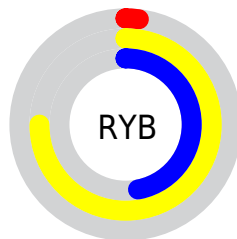
Distribution



Red (29%)

Green (75%)

Blue (2%)



Red (2%)

Yellow (75%)

Blue (47%)

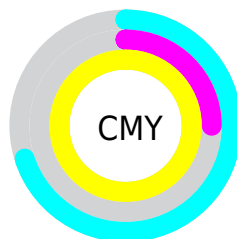


Cyan (61%)

Magenta (0%)

Yellow (98%)

Black (25%)



Cyan (70%)


Magenta (25%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 90.843, 131.358 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 69, 90.843, 131.358 by changing the saturation by 10% instead.


 69, 90.843,
131.358


 69, 90.843,
131.358


 100, 90.843,
131.358


 59, 90.843,
131.358


 89, 90.843,
131.358

 49, 90.843,
131.358

 99, 90.843,
131.358

 39, 90.843,
131.358

 29, 90.843,
131.358

 19, 90.843,
131.358

 9, 90.843, 131.358

 0, 90.843, 131.358

■ 69, 90.843,
131.358

■ 69, 90.843,
131.358

■ 69, 91.519,
131.512

■ 69, 86.884,
130.561

■ 70, 80.889,
130.186

■ 71, 73.029,
130.200

■ 71, 63.776,
130.477

■ 72, 53.580,
130.901

■ 73, 42.791,
131.391

■ 74, 31.662,
131.894

■ 75, 20.372,

132.382

■ 77, 9.049, 132.843

Harmonies

Complementary

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



69, 90.843, 131.358



34, 97.667, 315.063

Rectangle

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



69, 90.843, 131.358



69, 90.843, 181.358



69, 90.843, 311.358



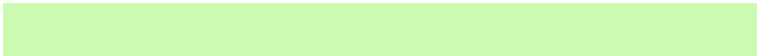
69, 90.843, 1.358

Sweetspot

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



69, 90.843, 131.359



94, 40.509, 131.823



57, 66.163, 71.327



49, 27.752, 131.606



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



69, 90.843, 131.359



87, 111.744, 131.745



68, 93.719, 137.255



40, 6.431, 132.783



58, 79.926, 131.314



10, 21.942, 136.128

Inverse Universe

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



34, 97.667, 315.063



44, 119.959, 314.777



45, 85.034, 333.404



38, 6.497, 313.533



27, 86.028, 315.090



2, 20.734, 309.879

Previews

White Background



This preview shows how the CIELCh color 69, 90.843, 131.358 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 69, 90.843, 131.358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

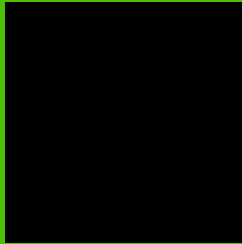
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 90.843, 131.358

Background



This preview shows how black text looks on a background with the CIELCh color 69, 90.843, 131.358.

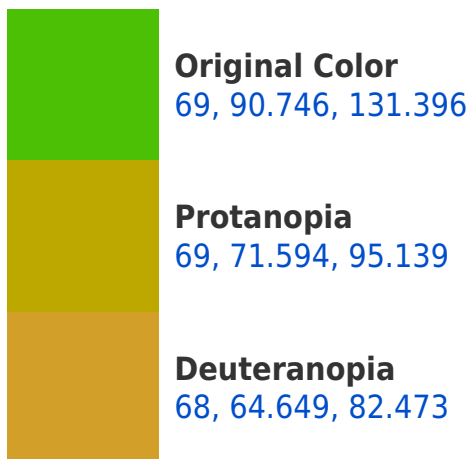


This preview shows how white text looks on a background with the CIELCh color 69, 90.843, 131.358.

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





Tritanopia
69, 23.577, 216.963

Trichromacy



Original Color
69, 90.746, 131.396



Protanomaly
68, 74.898, 112.682



Deuteranomaly
67, 67.778, 107.051



Tritanomaly
68, 46.068, 150.822

Monochromacy



Original Color
69, 90.746, 131.396



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 41.179, 131.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 90.843, 131.358 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(75, 192, 4)` looks like.

```
.text, #text, p{  
    color:rgb(75, 192, 4)  
}
```

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(75, 192, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 192, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 90.843, 131.358 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(75, 192, 4) }
```

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

```
.border{ border-color:rgb(75, 192, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 192, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 192, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 192, 4);  
box-shadow:4px 4px 4px 4px rgb(75, 192, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 69, 90.843, 131.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 192, 4) }
```

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

```
.background{ background-color: rgb(75, 192,  
4) }
```

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