

Converting Colors

CIELCh(70, 93.320, 131.646)

Have a look what the booklet for
CIELCh(70, 93.320, 131.646)
contains.

CIELCh(70, 93.159, 131.818)	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(70, 93.159, 131.818)

Conversions

Conversions Part 1

Format	Color
Hex	48C400
RGB	72, 196, 0
RGB Percent	28%, 77%, 0%
CMY	0.7187, 0.2322, 1.0000
CMYK	0.63, 0.00, 1.00, 0.23
HSL	98°, 100%, 38%
HSV	98°, 100%, 77%
XYZ	22.3413, 40.7494, 6.6717
YIQ	136.5800, -10.9880, -87.2440

Conversions

Conversions Part 2

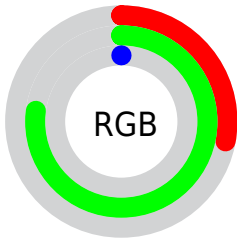
Format	Color
RYB	0, 196, 124
Decimal	4768768
CIELab	70.00, -62.12, 69.43
CIELCh	70, 93.159, 131.818
Yxy	40.7494, 0.3202, 0.5841
Android (android.graphics.Color)	4282958848 (0xFF48C400)
YUV	136.5800, -67.3339, -56.6367
Hunter-Lab	63.8353, -49.2397, 38.4881

Details

The CIELCh color **70, 93.159, 131.818** 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 **35, 99.457, 315.313**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 93.285, 131.796**, and **51, 77.067, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 93.107, 131.839**, and if you desaturate by 10%, it is **70, 89.382, 131.034**.

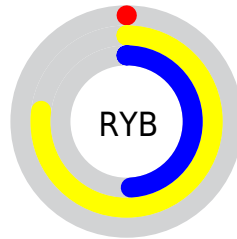
Distribution



Red (28%)

Green (77%)

Blue (0%)



Red (0%)

Yellow (77%)

Blue (49%)

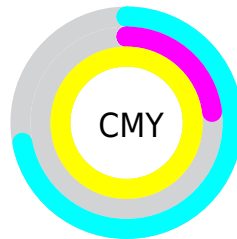


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (72%)


Magenta (23%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 93.159, 131.818 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 70, 93.159, 131.818 by changing the saturation by 10% instead.


 70, 93.159,
131.818


 70, 93.159,
131.818


 100, 93.159,
131.818


 60, 93.159,
131.818


 90, 93.159,
131.818

 50, 93.159,
131.818

 40, 93.159,
131.818

 30, 93.159,
131.818

 20, 93.159,
131.818

 10, 93.159,
131.818

 0, 93.159, 131.818

■ 70, 93.159,
131.818

■ 70, 93.159,
131.818

■ 70, 93.107,
131.839

■ 70, 89.382,
131.034

■ 71, 83.724,
130.590

■ 72, 76.076,
130.555

■ 72, 66.903,
130.805

■ 73, 56.680,
131.220

■ 74, 45.786,
131.712

■ 75, 34.499,
132.223

■ 76, 23.018,

132.720

■ 78, 11.482,
133.188

Harmonies

Complementary

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



70, 93.159, 131.818



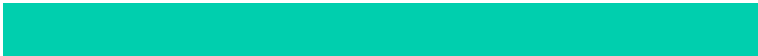
35, 99.457, 315.313

Rectangle

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



70, 93.159, 131.818



70, 93.159, 181.818



70, 93.159, 311.818



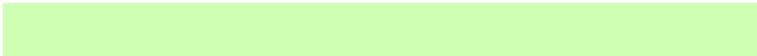
70, 93.159, 1.818

Sweetspot

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



70, 93.107, 131.839



95, 42.748, 132.199



58, 67.649, 72.365



50, 29.120, 131.980



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 93.107, 131.839



89, 113.890, 132.064



69, 95.154, 137.307



40, 6.454, 133.217



58, 80.211, 131.627



10, 22.027, 136.472

Inverse Universe

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



35, 99.457, 315.313



45, 121.483, 315.146



45, 85.299, 334.393



38, 6.517, 313.967



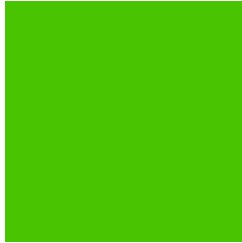
28, 85.800, 315.466



2, 20.805, 310.408

Previews

White Background



This preview shows how the CIELCh color 70, 93.159, 131.818 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 70, 93.159, 131.818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

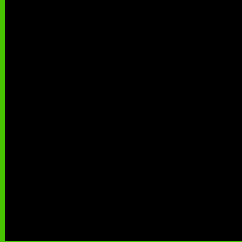
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 93.159, 131.818

Background



This preview shows how black text looks on a background with the CIELCh color 70, 93.159, 131.818.



This preview shows how white text looks on a background with the CIELCh color 70, 93.159, 131.818.

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
70, 93.159, 131.818

Protanopia
69, 72.276, 94.862

Deuteranopia
69, 65.401, 81.936



Tritanopia
70, 24.615, 217.392

Trichromacy



Original Color
70, 93.159, 131.818



Protanomaly
68, 75.792, 113.191



Deuteranomaly
68, 69.103, 107.669



Tritanomaly
69, 47.610, 150.934

Monochromacy



Original Color
70, 93.159, 131.818



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 43.047, 131.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 93.159, 131.818 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(72, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(72, 196, 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(72, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 196, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 93.159, 131.818 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(72, 196, 0) }
```

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

```
.border{ border-color:rgb(72, 196, 0) }
```

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

Here you see how a box with a 4 pixel rgb(72, 196, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(72, 196, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 70, 93.159, 131.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 196, 0) }
```

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

```
.background{ background-color: rgb(72, 196,  
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