

Converting Colors

CIELCh(72, 90.917, 128.144)

Have a look what the booklet for
CIELCh(72, 90.917, 128.144)
contains.

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Color

CIELCh(72, 90.658, 128.210)

Conversions

Conversions Part 1

Format	Color
Hex	63C701
RGB	99, 199, 1
RGB Percent	39%, 78%, 0%
CMY	0.6105, 0.2184, 0.9967
CMYK	0.50, 0.00, 1.00, 0.22
HSL	90°, 99%, 39%
HSV	90°, 100%, 78%
XYZ	25.6791, 43.6590, 7.0973
YIQ	146.5280, 3.9580, -82.7780

Conversions

Conversions Part 2

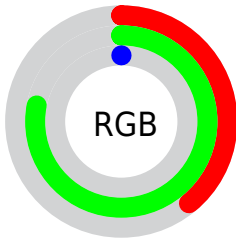
Format	Color
RYB	1, 199, 101
Decimal	6539009
CIELab	72.00, -56.08, 71.23
CIELCh	72, 90.658, 128.210
Yxy	43.6590, 0.3360, 0.5712
Android (android.graphics.Color)	4284729089 (0xFF63C701)
YUV	146.5280, -71.7453, -41.6821
Hunter-Lab	66.0750, -46.2596, 39.8840

Details

The CIELCh color **72, 90.658, 128.210** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **32, 103.438, 311.946**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 89.915, 128.053**, and **52, 76.709, 134.528** is the 20% darker color. If you saturate the color by 10%, you get **72, 90.800, 128.253**, and if you desaturate by 10%, it is **72, 87.011, 127.197**.

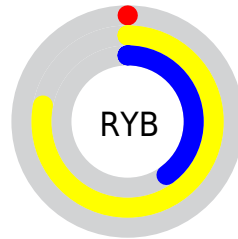
Distribution



Red (39%)

Green (78%)

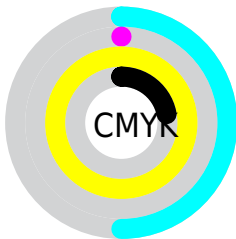
Blue (0%)



Red (0%)

Yellow (78%)

Blue (40%)

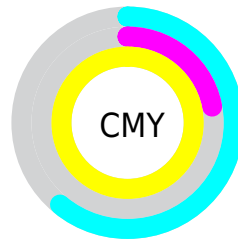


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (61%)


Magenta (22%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 90.658, 128.210 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, 90.658, 128.210 by changing the saturation by 10% instead.


 72, 90.658,
128.210


 72, 90.658,
128.210


 100, 90.658,
128.210


 62, 90.658,
128.210


 92, 90.658,
128.210

 52, 90.658,
128.210

 42, 90.658,
128.210

 32, 90.658,
128.210

 22, 90.658,
128.210

 12, 90.658,
128.210

 2, 90.658, 128.210

■ 0, 90.658, 128.210

■ 72, 90.658,
128.210

■ 72, 90.658,
128.210

■ 72, 90.800,
128.253

■ 72, 87.011,
127.197

■ 73, 81.445,
126.601

■ 74, 73.942,
126.437

■ 74, 64.962,
126.583

■ 75, 54.969,
126.918

■ 76, 44.331,
127.355

■ 77, 33.311,
127.834

■ 78, 22.090,
128.319

■ 79, 10.794,
128.791

Harmonies

Complementary

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



72, 90.658, 128.210



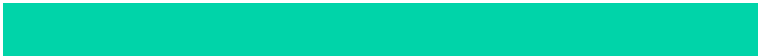
32, 103.438, 311.946

Rectangle

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



72, 90.658, 128.210



72, 90.658, 178.210



72, 90.658, 308.210



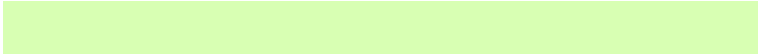
72, 90.658, 358.210

Sweetspot

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



72, 90.658, 128.211



96, 41.258, 127.792



53, 70.671, 60.478



51, 28.093, 127.586



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, 90.658, 128.211



90, 109.572, 128.491



70, 99.394, 136.031



41, 6.382, 128.800



60, 78.099, 128.015



12, 22.903, 131.565

Inverse Universe

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



32, 103.438, 311.946



41, 124.947, 311.760



47, 95.914, 328.230



39, 6.468, 309.605



25, 89.200, 312.089



2, 22.383, 306.058

Previews

White Background



This preview shows how the CIELCh color 72, 90.658, 128.210 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, 90.658, 128.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

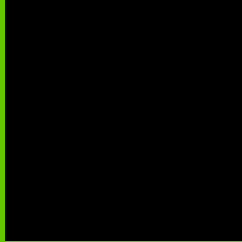
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 90.658, 128.210

Background



This preview shows how black text looks on a background with the CIELCh color 72, 90.658, 128.210.

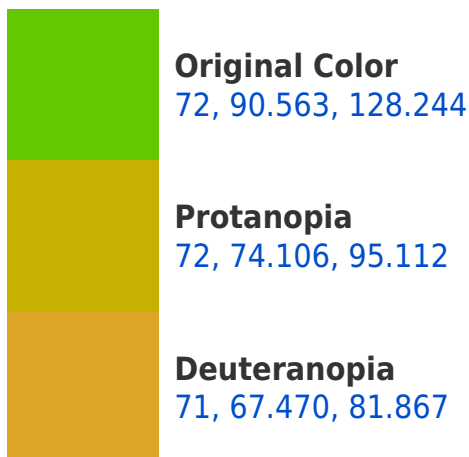


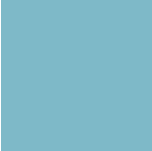
This preview shows how white text looks on a background with the CIELCh color 72, 90.658, 128.210.

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, 20.461, 221.806

Trichromacy



Original Color
72, 90.563, 128.244



Protanomaly
71, 76.601, 110.119



Deuteranomaly
70, 70.216, 103.571



Tritanomaly
71, 43.541, 146.146

Monochromacy



Original Color
72, 90.563, 128.244



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 41.709, 127.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 90.658, 128.210 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(99, 199, 1)` looks like.

```
.text, #text, p{  
    color:rgb(99, 199, 1)  
}
```

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(99, 199, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 199, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 90.658, 128.210 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(99, 199, 1) }
```

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

```
.border{ border-color:rgb(99, 199, 1) }
```

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

Here you see how a box with a 4 pixel rgb(99, 199, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 199, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 199, 1);  
box-shadow:4px 4px 4px 4px rgb(99, 199, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 72, 90.658, 128.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 199, 1) }
```

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

```
.background{ background-color: rgb(99, 199,  
1) }
```

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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