

Converting Colors

CIELCh(71, 90.233, 128.815)

Have a look what the booklet for
CIELCh(71, 90.233, 128.815)
contains.

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Color

CIELCh(71, 90.458, 128.886)

Conversions

Conversions Part 1

Format	Color
Hex	5EC500
RGB	94, 197, 0
RGB Percent	37%, 77%, 0%
CMY	0.6324, 0.2284, 0.9986
CMYK	0.52, 0.00, 1.00, 0.23
HSL	91°, 100%, 39%
HSV	91°, 100%, 77%
XYZ	24.5009, 42.1875, 6.8614
YIQ	143.7450, 1.8490, -83.1030

Conversions

Conversions Part 2

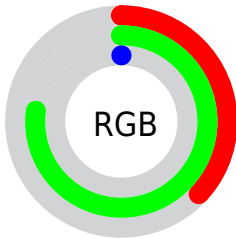
Format	Color
RYB	0, 197, 103
Decimal	6210816
CIELab	71.00, -56.79, 70.41
CIELCh	71, 90.458, 128.886
Yxy	42.1875, 0.3331, 0.5736
Android (android.graphics.Color)	4284400896 (0xFF5EC500)
YUV	143.7450, -70.8663, -43.6264
Hunter-Lab	64.9519, -46.3328, 39.2031

Details

The CIELCh color **71, 90.458, 128.886** 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 **32, 102.084, 312.432**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 90.195, 128.895**, and **51, 76.686, 135.276** is the 20% darker color. If you saturate the color by 10%, you get **71, 90.519, 128.904**, and if you desaturate by 10%, it is **71, 86.809, 127.896**.

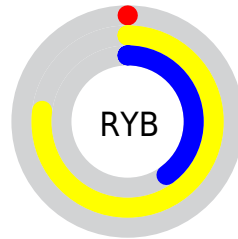
Distribution



Red (37%)

Green (77%)

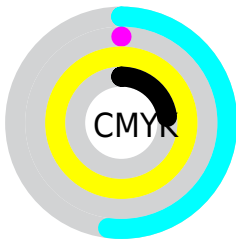
Blue (0%)



Red (0%)

Yellow (77%)

Blue (40%)

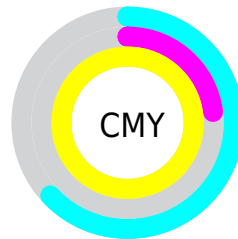


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (63%)


Magenta (23%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 90.458, 128.886 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 71, 90.458, 128.886 by changing the saturation by 10% instead.


 71, 90.458,
128.886


 71, 90.458,
128.886


 100, 90.458,
128.886


 61, 90.458,
128.886


 91, 90.458,
128.886

 51, 90.458,
128.886

 41, 90.458,
128.886

 31, 90.458,
128.886

 21, 90.458,
128.886

 11, 90.458,
128.886

 1, 90.458, 128.886

■ 0, 90.458, 128.886

■ 71, 90.458,
128.886

■ 71, 90.458,
128.886

■ 71, 90.519,
128.904

■ 71, 86.809,
127.896

■ 72, 81.283,
127.308

■ 73, 73.830,
127.151

■ 73, 64.902,
127.302

■ 74, 54.962,
127.642

■ 75, 44.377,
128.081

■ 76, 33.411,
128.560

■ 77, 22.245,
129.042

■ 78, 11.007,
129.510

Harmonies

Complementary

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



71, 90.458, 128.886



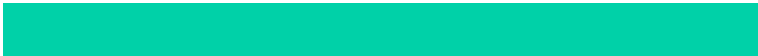
32, 102.084, 312.432

Rectangle

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



71, 90.458, 128.886



71, 90.458, 178.886



71, 90.458, 308.886



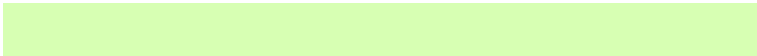
71, 90.458, 358.886

Sweetspot

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



71, 90.458, 128.887



96, 41.481, 128.528



53, 69.639, 61.849



50, 28.247, 128.321



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 90.458, 128.887



90, 110.309, 129.154



69, 98.198, 136.148



41, 6.413, 129.530



60, 78.617, 128.682



12, 23.079, 132.320

Inverse Universe

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



32, 102.084, 312.432



42, 124.377, 312.248



47, 93.806, 328.905



39, 6.496, 310.320



26, 88.804, 312.577



2, 22.472, 306.826

Previews

White Background



This preview shows how the CIELCh color 71, 90.458, 128.886 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 71, 90.458, 128.886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

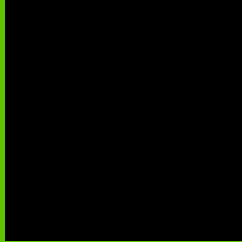
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 90.458, 128.886

Background



This preview shows how black text looks on a background with the CIELCh color 71, 90.458, 128.886.



This preview shows how white text looks on a background with the CIELCh color 71, 90.458, 128.886.

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

71, 90.553, 128.851

Protanopia

71, 73.192, 94.989

Deuteranopia

70, 66.720, 82.383



Tritanopia
71, 21.229, 220.890

Trichromacy



Original Color
71, 90.553, 128.851



Protanomaly
70, 76.132, 110.834



Deuteranomaly
69, 69.566, 104.689



Tritanomaly
70, 44.252, 146.985

Monochromacy



Original Color
71, 90.553, 128.851



Achromatopsia
60, 0.008, 296.813



Achromatomaly
63, 41.498, 127.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 90.458, 128.886 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(94, 197, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 197, 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(94, 197, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 197, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 90.458, 128.886 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(94, 197, 0) }
```

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

```
.border{ border-color:rgb(94, 197, 0) }
```

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

Here you see how a box with a 4 pixel rgb(94, 197, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 197, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 197, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 197, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 71, 90.458, 128.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 197, 0) }
```

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

```
.background{ background-color: rgb(94, 197,  
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](#).

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