

Converting Colors

CIELCh(71, 82.475, 120.161)

Have a look what the booklet for
CIELCh(71, 82.475, 120.161)
contains.

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Color

CIELCh(71, 82.356, 120.089)

Conversions

Conversions Part 1

Format	Color
Hex	85BF00
RGB	133, 191, 0
RGB Percent	52%, 75%, 0%
CMY	0.4789, 0.2514, 1.0000
CMYK	0.30, 0.00, 1.00, 0.25
HSL	78°, 100%, 37%
HSV	78°, 100%, 75%
XYZ	28.2580, 42.1875, 6.6448
YIQ	151.8840, 26.7430, -71.6970

Conversions

Conversions Part 2

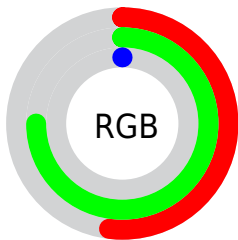
Format	Color
RYB	0, 191, 58
Decimal	8765184
CIELab	71.00, -41.29, 71.26
CIELCh	71, 82.356, 120.089
Yxy	42.1875, 0.3666, 0.5472
Android (android.graphics.Color)	4286955264 (0xFF85BF00)
YUV	151.8840, -74.8788, -16.5613
Hunter-Lab	64.9519, -36.0076, 39.4007

Details

The CIELCh color **71, 82.356, 120.089** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **26, 104.404, 308.356**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 82.511, 120.111**, and **51, 67.275, 125.712** is the 20% darker color. If you saturate the color by 10%, you get **71, 82.326, 120.099**, and if you desaturate by 10%, it is **71, 79.397, 119.205**.

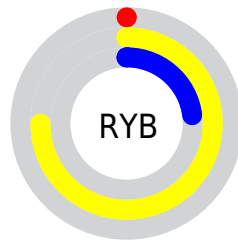
Distribution



Red (52%)

Green (75%)

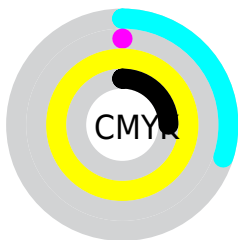
Blue (0%)



Red (0%)

Yellow (75%)

Blue (23%)

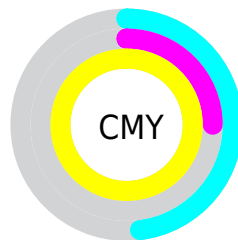


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (48%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 82.356, 120.089 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, 82.356, 120.089 by changing the saturation by 10% instead.


 71, 82.356,
120.089


 71, 82.356,
120.089


 100, 82.356,
120.089


 61, 82.356,
120.089


 91, 82.356,
120.089

 51, 82.356,
120.089

 41, 82.356,
120.089

 31, 82.356,
120.089

 21, 82.356,
120.089

 11, 82.356,
120.089

 1, 82.356, 120.089

■ 0, 82.356, 120.089

■ 71, 82.356,
120.089

■ 71, 82.356,
120.089

■ 71, 82.326,
120.099

■ 71, 79.397,
119.205

■ 72, 74.695,
118.695

■ 72, 68.104,
118.590

■ 73, 60.061,
118.782

■ 73, 51.015,
119.169

■ 74, 41.320,
119.669

■ 75, 31.227,
120.229

■ 76, 20.904,
120.810

■ 76, 10.466,
121.391

Harmonies

Complementary

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



71, 82.356, 120.089



26, 104.404, 308.356

Rectangle

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



71, 82.356, 120.089



71, 82.356, 170.089



71, 82.356, 300.089



71, 82.356, 350.089

Sweetspot

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



71, 82.326, 120.099



94, 38.530, 120.201



44, 76.111, 47.351



50, 26.426, 119.959



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



71, 82.326, 120.099



90, 100.170, 120.330



68, 94.613, 134.674



40, 5.876, 121.429



60, 71.514, 119.894



10, 17.993, 125.273

Inverse Universe

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



26, 104.404, 308.356



34, 127.083, 308.214



39, 94.729, 320.689



37, 5.985, 302.490



20, 90.657, 308.486



1, 17.671, 299.041

Previews

White Background



This preview shows how the CIELCh color 71, 82.356, 120.089 looks on a white background.

Color Contrast Check

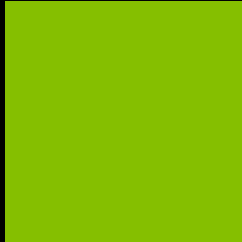
Large Text (above 18pt) WCAG AA × Fail

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, 82.356, 120.089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

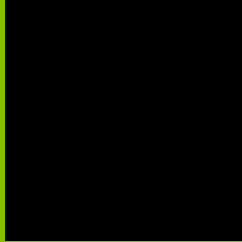
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 82.356, 120.089

Background



This preview shows how black text looks on a background with the CIELCh color 71, 82.356, 120.089.

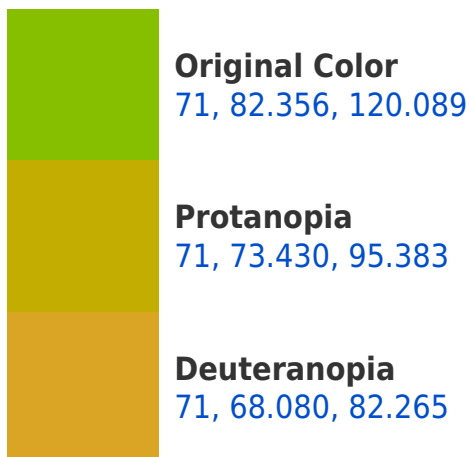


This preview shows how white text looks on a background with the CIELCh color 71, 82.356, 120.089.

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
71, 11.995, 242.188

Trichromacy



Original Color
71, 82.356, 120.089

Protanomaly
70, 74.732, 105.592

Deuteranomaly
70, 69.769, 98.326

Tritanomaly
70, 35.690, 132.071

Monochromacy



Original Color
71, 82.356, 120.089

Achromatopsia
63, 0.008, 296.813

Achromatomaly
65, 38.278, 119.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 82.356, 120.089 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(133, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 191, 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(133, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 191, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 82.356, 120.089 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(133, 191, 0) }
```

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

```
.border{ border-color:rgb(133, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 191,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 82.356, 120.089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 191, 0) }
```

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

```
.background{ background-color: rgb(133,  
191, 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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