

Converting Colors

CIELCh(71, 82.712, 120.604)

Have a look what the booklet for
CIELCh(71, 82.712, 120.604)
contains.

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Color

CIELCh(71, 82.623, 120.589)

Conversions

Conversions Part 1

Format	Color
Hex	83BF01
RGB	131, 191, 1
RGB Percent	51%, 75%, 0%
CMY	0.4855, 0.2502, 0.9979
CMYK	0.31, 0.00, 1.00, 0.25
HSL	79°, 99%, 38%
HSV	79°, 100%, 75%
XYZ	28.0663, 42.1875, 6.6786
YIQ	151.4000, 25.2300, -71.8100

Conversions

Conversions Part 2

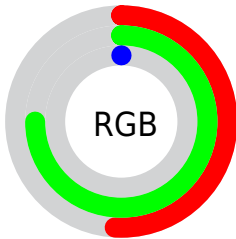
Format	Color
RYB	1, 191, 61
Decimal	8634113
CIELab	71.00, -42.04, 71.13
CIELCh	71, 82.623, 120.589
Yxy	42.1875, 0.3648, 0.5484
Android (android.graphics.Color)	4286824193 (0xFF83BF01)
YUV	151.4000, -74.1472, -17.8908
Hunter-Lab	64.9519, -36.5343, 39.3699

Details

The CIELCh color **71, 82.623, 120.589** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **26, 104.188, 308.500**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 82.749, 120.608**, and **51, 67.594, 126.248** is the 20% darker color. If you saturate the color by 10%, you get **71, 82.701, 120.616**, and if you desaturate by 10%, it is **71, 79.627, 119.680**.

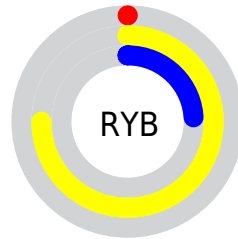
Distribution



Red (51%)

Green (75%)

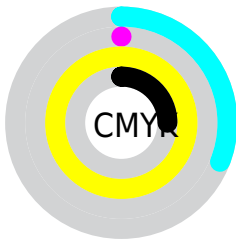
Blue (0%)



Red (0%)

Yellow (75%)

Blue (24%)

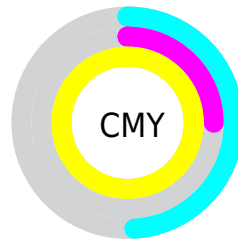


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (49%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 82.623, 120.589 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, 82.623, 120.589 by changing the saturation by 10% instead.


 71, 82.623,
120.589


 71, 82.623,
120.589


 100, 82.623,
120.589


 61, 82.623,
120.589


 91, 82.623,
120.589

 51, 82.623,
120.589

 41, 82.623,
120.589

 31, 82.623,
120.589

 21, 82.623,
120.589

 11, 82.623,
120.589

 1, 82.623, 120.589

■ 0, 82.623, 120.589

■ 71, 82.623,
120.589

■ 71, 82.623,
120.589

■ 71, 82.701,
120.616

■ 71, 79.627,
119.680

■ 72, 74.827,
119.166

■ 72, 68.149,
119.059

■ 73, 60.033,
119.249

■ 73, 50.925,
119.630

■ 74, 41.177,
120.125

■ 75, 31.039,
120.677

■ 76, 20.676,
121.250

■ 77, 10.203,
121.822

Harmonies

Complementary

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



71, 82.623, 120.589



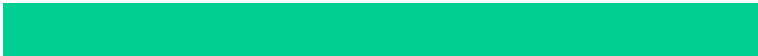
26, 104.188, 308.500

Rectangle

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



71, 82.623, 120.589



71, 82.623, 170.589



71, 82.623, 300.589



71, 82.623, 350.589

Sweetspot

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



71, 82.623, 120.590



94, 38.605, 120.635



44, 76.010, 47.356



50, 26.479, 120.395



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, 82.623, 120.590



89, 100.512, 120.850



68, 94.643, 134.670



40, 5.886, 121.843



60, 71.748, 120.405



10, 18.054, 125.787

Inverse Universe

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



26, 104.188, 308.500



35, 126.846, 308.355



39, 94.767, 320.700



37, 5.994, 302.884



21, 90.485, 308.634



1, 17.687, 299.334

Previews

White Background



This preview shows how the CIELCh color 71, 82.623, 120.589 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 CIE LCh color 71, 82.623, 120.589 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, 82.623, 120.589

Background



This preview shows how black text looks on a background with the CIELCh color 71, 82.623, 120.589.



This preview shows how white text looks on a background with the CIELCh color 71, 82.623, 120.589.

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, 82.520, 120.619

Protanopia

71, 73.430, 95.383

Deuteranopia

71, 68.080, 82.265



Tritanopia
71, 12.157, 237.965

Trichromacy



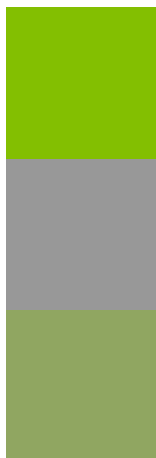
Original Color
71, 82.520, 120.619

Protanomaly
70, 74.732, 105.592

Deuteranomaly
70, 69.728, 98.697

Tritanomaly
70, 36.481, 132.765

Monochromacy



Original Color
71, 82.520, 120.619

Achromatopsia
63, 0.008, 296.813

Achromatomaly
65, 38.385, 120.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 82.623, 120.589 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(131, 191, 1)` looks like.

```
.text, #text, p{  
    color:rgb(131, 191, 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(131, 191, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 191, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 82.623, 120.589 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(131, 191, 1) }
```

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

```
.border{ border-color:rgb(131, 191, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 191, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 191, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 191, 1);  
box-shadow:4px 4px 4px 4px rgb(131, 191,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 82.623, 120.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 191, 1) }
```

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

```
.background{ background-color: rgb(131,  
191, 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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