

Converting Colors

CIELCh(72, 84.158, 121.031)

Have a look what the booklet for
CIELCh(72, 84.158, 121.031)
contains.

CIELCh(72, 83.877, 121.104)	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(72, 83.877, 121.104)

Conversions

Conversions Part 1

Format	Color
Hex	83C201
RGB	131, 194, 1
RGB Percent	51%, 76%, 0%
CMY	0.4844, 0.2374, 0.9949
CMYK	0.32, 0.00, 0.99, 0.24
HSL	80°, 99%, 38%
HSV	80°, 99%, 76%
XYZ	28.8383, 43.6590, 6.9440
YIQ	153.1610, 24.4050, -73.3790

Conversions

Conversions Part 2

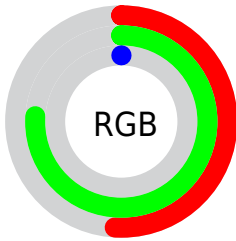
Format	Color
RYB	1, 194, 64
Decimal	8634881
CIELab	72.00, -43.33, 71.82
CIELCh	72, 83.877, 121.104
Yxy	43.6590, 0.3630, 0.5496
Android (android.graphics.Color)	4286824961 (0xFF83C201)
YUV	153.1610, -75.0154, -19.4352
Hunter-Lab	66.0750, -37.7254, 40.0215

Details

The CIELCh color **72, 83.877, 121.104** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **27, 105.119, 308.652**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 83.816, 121.166**, and **52, 69.103, 126.946** is the 20% darker color. If you saturate the color by 10%, you get **72, 84.066, 121.169**, and if you desaturate by 10%, it is **72, 80.789, 120.175**.

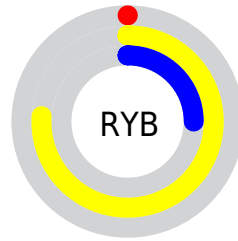
Distribution



Red (51%)

Green (76%)

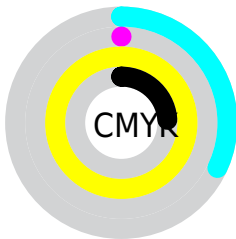
Blue (0%)



Red (0%)

Yellow (76%)

Blue (25%)

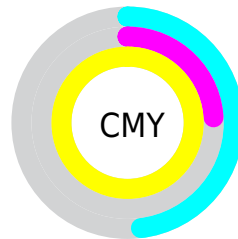


Cyan (32%)

Magenta (0%)

Yellow (99%)

Black (24%)



Cyan (48%)


Magenta (24%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 83.877, 121.104 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, 83.877, 121.104 by changing the saturation by 10% instead.


 72, 83.877,
121.104

 72, 83.877,
121.104


 100, 83.877,
121.104


 62, 83.877,
121.104


 92, 83.877,
121.104

 52, 83.877,
121.104

 42, 83.877,
121.104

 32, 83.877,
121.104

 22, 83.877,
121.104

 12, 83.877,
121.104

 2, 83.877, 121.104

■ 0, 83.877, 121.104

■ 72, 83.877,
121.104

■ 72, 83.877,
121.104

■ 72, 84.066,
121.169

■ 72, 80.789,
120.175

■ 73, 75.823,
119.658

■ 73, 68.965,
119.549

■ 74, 60.664,
119.737

■ 75, 51.373,
120.116

■ 75, 41.445,
120.606

■ 76, 31.129,
121.151

■ 77, 20.592,
121.716

■ 78, 9.948, 122.279

Harmonies

Complementary

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



72, 83.877, 121.104



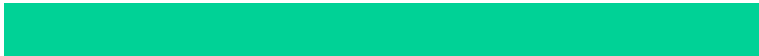
27, 105.119, 308.652

Rectangle

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



72, 83.877, 121.104



72, 83.877, 171.104



72, 83.877, 301.104



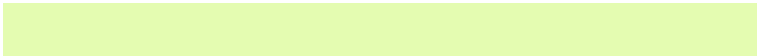
72, 83.877, 351.104

Sweetspot

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



72, 83.877, 121.105



96, 39.330, 121.087



46, 76.060, 48.171



51, 26.978, 120.850



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, 83.877, 121.105



91, 102.464, 121.406



69, 95.987, 134.864



41, 6.028, 122.277



60, 72.862, 120.956



11, 19.858, 125.121

Inverse Universe

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



27, 105.119, 308.652



36, 128.579, 308.500



40, 95.654, 321.298



38, 6.138, 303.301



21, 91.383, 308.783



2, 19.779, 299.882

Previews

White Background



This preview shows how the CIELCh color 72, 83.877, 121.104 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 72, 83.877, 121.104 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, 83.877, 121.104

Background



This preview shows how black text looks on a background with the CIELCh color 72, 83.877, 121.104.



This preview shows how white text looks on a background with the CIELCh color 72, 83.877, 121.104.

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](#).

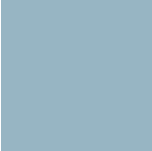
Dichromacy



Original Color
72, 83.776, 121.133

Protanopia
72, 74.106, 95.112

Deuteranopia
72, 68.780, 82.569



Tritanopia
72, 12.644, 236.030

Trichromacy



Original Color
72, 83.776, 121.133

Protanomaly
71, 75.679, 105.885

Deuteranomaly
71, 70.489, 99.137

Tritanomaly
71, 36.733, 133.812

Monochromacy



Original Color
72, 83.776, 121.133

Achromatopsia
64, 0.008, 296.813

Achromatomaly
66, 39.386, 120.401

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 83.877, 121.104 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, 194, 1)` looks like.

```
.text, #text, p{  
    color:rgb(131, 194, 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, 194, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 194, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 83.877, 121.104 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, 194, 1) }
```

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

```
.border{ border-color:rgb(131, 194, 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, 194, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 194, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 194, 1);  
box-shadow:4px 4px 4px 4px rgb(131, 194,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 83.877, 121.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 194, 1) }
```

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

```
.background{ background-color: rgb(131,  
194, 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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