

Converting Colors

CIELCh(75, 88.222, 122.916)

Have a look what the booklet for
CIELCh(75, 88.222, 122.916)
contains.

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Color

CIELCh(75, 88.428, 123.072)

Conversions

Conversions Part 1

Format	Color
Hex	82CD01
RGB	130, 205, 1
RGB Percent	51%, 80%, 0%
CMY	0.4912, 0.1970, 0.9948
CMYK	0.37, 0.00, 0.99, 0.20
HSL	82°, 99%, 40%
HSV	82°, 99%, 80%
XYZ	30.9495, 48.2781, 7.7248
YIQ	159.3190, 20.7840, -79.3440

Conversions

Conversions Part 2

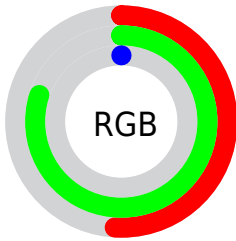
Format	Color
RYB	1, 205, 76
Decimal	8572161
CIELab	75.00, -48.25, 74.10
CIELCh	75, 88.428, 123.072
Yxy	48.2781, 0.3559, 0.5552
Android (android.graphics.Color)	4286762241 (0xFF82CD01)
YUV	159.3190, -78.0513, -25.7128
Hunter-Lab	69.4824, -42.0851, 42.0461

Details

The CIELCh color **75, 88.428, 123.072** 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 **29, 108.459, 309.277**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 85.017, 121.938**, and **55, 73.860, 128.633** is the 20% darker color. If you saturate the color by 10%, you get **75, 88.620, 123.140**, and if you desaturate by 10%, it is **75, 85.144, 122.060**.

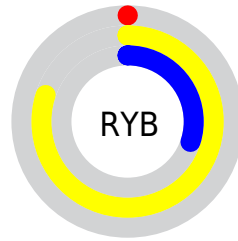
Distribution



Red (51%)

Green (80%)

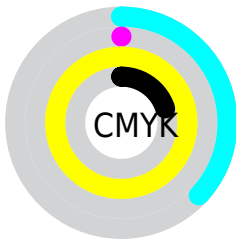
Blue (0%)



Red (0%)

Yellow (80%)

Blue (30%)

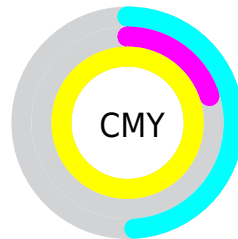


Cyan (37%)

Magenta (0%)

Yellow (99%)

Black (20%)



Cyan (49%)


Magenta (20%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 88.428, 123.072 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 75, 88.428, 123.072 by changing the saturation by 10% instead.


 75, 88.428,
123.072

 75, 88.428,
123.072


 100, 88.428,
123.072


 65, 88.428,
123.072


 95, 88.428,
123.072

 55, 88.428,
123.072

 45, 88.428,
123.072

 35, 88.428,
123.072

 25, 88.428,
123.072

 15, 88.428,
123.072

 5, 88.428, 123.072

■ 0, 88.428, 123.072

■ 75, 88.428,
123.072

■ 75, 88.428,
123.072

■ 75, 88.620,
123.140

■ 75, 85.144,
122.060

■ 76, 79.879,
121.481

■ 76, 72.635,
121.327

■ 77, 63.878,
121.482

■ 78, 54.083,
121.834

■ 79, 43.622,
122.298

■ 79, 32.759,
122.818

■ 80, 21.671,
123.355

■ 81, 10.478,
123.888

Harmonies

Complementary

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



75, 88.428, 123.072



29, 108.459, 309.277

Rectangle

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



75, 88.428, 123.072



75, 88.428, 173.072



75, 88.428, 303.072



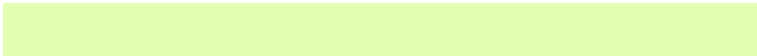
75, 88.428, 353.072

Sweetspot

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



75, 88.428, 123.073



96, 39.986, 122.763



50, 77.030, 50.856



51, 27.210, 122.538



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 88.428, 123.073



91, 104.717, 123.344



72, 100.445, 135.363



43, 6.336, 123.886



62, 75.597, 122.901



13, 23.463, 125.105

Inverse Universe

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



29, 108.459, 309.277



37, 128.541, 309.132



44, 98.820, 323.095



40, 6.445, 304.847



23, 92.793, 309.416



2, 24.053, 302.159

Previews

White Background



This preview shows how the CIELCh color 75, 88.428, 123.072 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 75, 88.428, 123.072 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 75, 88.428, 123.072

Background



This preview shows how black text looks on a background with the CIELCh color 75, 88.428, 123.072.

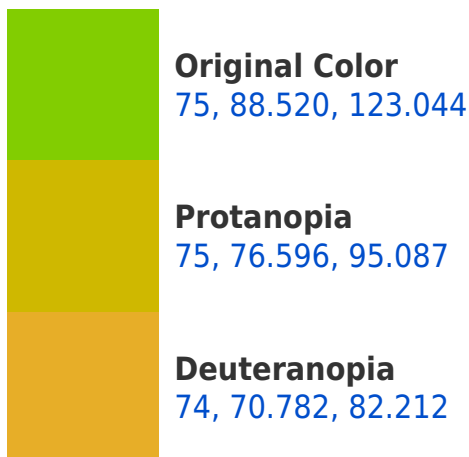


This preview shows how white text looks on a background with the CIELCh color 75, 88.428, 123.072.

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
75, 15.178, 233.529

Trichromacy



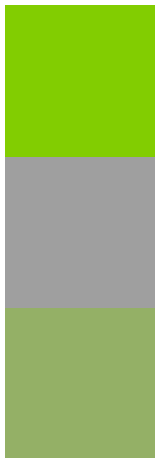
Original Color
75, 88.520, 123.044

Protanomaly
74, 78.554, 107.028

Deuteranomaly
74, 72.680, 100.007

Tritanomaly
74, 39.034, 137.357

Monochromacy



Original Color
75, 88.520, 123.044

Achromatopsia
65, 0.008, 296.813

Achromatomaly
68, 41.205, 122.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 88.428, 123.072 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(130, 205, 1)` looks like.

```
.text, #text, p{  
    color:rgb(130, 205, 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(130, 205, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 205, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 88.428, 123.072 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(130, 205, 1) }
```

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

```
.border{ border-color:rgb(130, 205, 1) }
```

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

Here you see how a box with a 4 pixel rgb(130, 205, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 205, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 205, 1);  
box-shadow:4px 4px 4px 4px rgb(130, 205,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 88.428, 123.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 205, 1) }
```

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

```
.background{ background-color: rgb(130,  
205, 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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