

Converting Colors

CIELCh(74, 87.401, 122.925)

Have a look what the booklet for
CIELCh(74, 87.401, 122.925)
contains.

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Color

CIELCh(74, 87.549, 123.051)

Conversions

Conversions Part 1

Format	Color
Hex	80CA00
RGB	128, 202, 0
RGB Percent	50%, 79%, 0%
CMY	0.4990, 0.2087, 0.9986
CMYK	0.37, 0.00, 1.00, 0.21
HSL	82°, 100%, 40%
HSV	82°, 100%, 79%
XYZ	29.9341, 46.7039, 7.4468
YIQ	156.8460, 20.7380, -78.5100

Conversions

Conversions Part 2

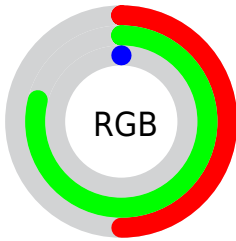
Format	Color
RYB	0, 202, 74
Decimal	8440320
CIELab	74.00, -47.75, 73.38
CIELCh	74, 87.549, 123.051
Yxy	46.7039, 0.3560, 0.5554
Android (android.graphics.Color)	4286630400 (0xFF80CA00)
YUV	156.8460, -77.3251, -25.2979
Hunter-Lab	68.3403, -41.4097, 41.3775

Details

The CIELCh color **74, 87.549, 123.051** 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 **29, 107.512, 309.255**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 85.612, 122.310**, and **54, 72.846, 128.727** is the 20% darker color. If you saturate the color by 10%, you get **74, 87.602, 123.071**, and if you desaturate by 10%, it is **74, 84.335, 122.039**.

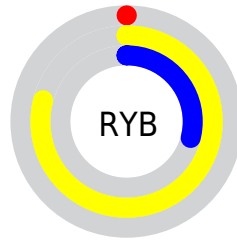
Distribution



Red (50%)

Green (79%)

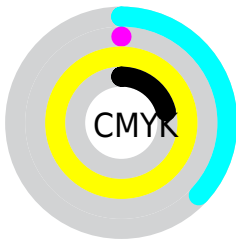
Blue (0%)



Red (0%)

Yellow (79%)

Blue (29%)

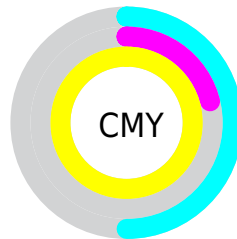


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (50%)


Magenta (21%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 87.549, 123.051 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 74, 87.549, 123.051 by changing the saturation by 10% instead.


 74, 87.549,
123.051


 74, 87.549,
123.051


 100, 87.549,
123.051


 64, 87.549,
123.051


 94, 87.549,
123.051

 54, 87.549,
123.051

 44, 87.549,
123.051

 34, 87.549,
123.051

 24, 87.549,
123.051

 14, 87.549,
123.051

 4, 87.549, 123.051

■ 0, 87.549, 123.051

■ 74, 87.549,
123.051

■ 74, 87.549,
123.051

■ 74, 87.602,
123.071

■ 74, 84.335,
122.039

■ 75, 79.220,
121.443

■ 75, 72.135,
121.276

■ 76, 63.537,
121.421

■ 77, 53.897,
121.766

■ 77, 43.586,
122.228

■ 78, 32.868,
122.746

■ 79, 21.922,
123.283

■ 80, 10.869,
123.817

Harmonies

Complementary

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



74, 87.549, 123.051



29, 107.512, 309.255

Rectangle

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



74, 87.549, 123.051



74, 87.549, 173.051



74, 87.549, 303.051



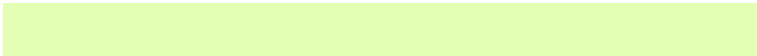
74, 87.549, 353.051

Sweetspot

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



74, 87.549, 123.052



96, 39.975, 122.714



49, 76.458, 50.828



51, 27.203, 122.489



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 87.549, 123.052



91, 104.673, 123.289



71, 99.460, 135.356



43, 6.334, 123.839



62, 75.566, 122.847



13, 23.453, 125.049

Inverse Universe

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



29, 107.512, 309.255



37, 128.572, 309.112



43, 97.841, 323.085



40, 6.443, 304.802



23, 92.815, 309.395



2, 24.050, 302.121

Previews

White Background



This preview shows how the CIELCh color 74, 87.549, 123.051 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 74, 87.549, 123.051 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 74, 87.549, 123.051

Background



This preview shows how black text looks on a background with the CIELCh color 74, 87.549, 123.051.



This preview shows how white text looks on a background with the CIELCh color 74, 87.549, 123.051.

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
74, 87.644, 123.022

Protanopia
74, 75.925, 95.347

Deuteranopia
74, 70.225, 82.367



Tritanopia
74, 15.203, 231.047

Trichromacy



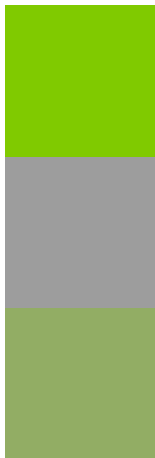
Original Color
74, 87.644, 123.022

Protanomaly
73, 77.645, 107.089

Deuteranomaly
73, 72.219, 99.969

Tritanomaly
73, 39.756, 137.385

Monochromacy



Original Color
74, 87.644, 123.022

Achromatopsia
65, 0.008, 296.813

Achromatomaly
67, 40.697, 122.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 87.549, 123.051 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(128, 202, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 202, 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(128, 202, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 202, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 87.549, 123.051 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(128, 202, 0) }
```

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

```
.border{ border-color:rgb(128, 202, 0) }
```

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

Here you see how a box with a 4 pixel rgb(128, 202, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 202, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 202, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 202,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 87.549, 123.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 202, 0) }
```

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

```
.background{ background-color: rgb(128,  
202, 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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