

Converting Colors

CIELCh(76, 89.994, 123.148)

Have a look what the booklet for
CIELCh(76, 89.994, 123.148)
contains.

CIELCh(76, 89.720, 123.219)	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(76, 89.720, 123.219)

Conversions

Conversions Part 1

Format	Color
Hex	83D000
RGB	131, 208, 0
RGB Percent	51%, 82%, 0%
CMY	0.4866, 0.1846, 1.0000
CMYK	0.37, 0.00, 1.00, 0.18
HSL	82°, 100%, 41%
HSV	82°, 100%, 82%
XYZ	31.8798, 49.8872, 7.9415
YIQ	161.2650, 20.8760, -81.0120

Conversions

Conversions Part 2

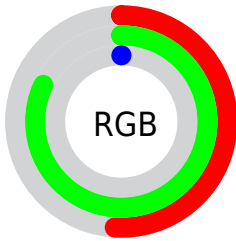
Format	Color
RYB	0, 208, 77
Decimal	8638464
CIELab	76.00, -49.15, 75.06
CIELCh	76, 89.720, 123.219
Yxy	49.8872, 0.3554, 0.5561
Android (android.graphics.Color)	4286828544 (0xFF83D000)
YUV	161.2650, -79.5036, -26.5424
Hunter-Lab	70.6309, -43.0367, 42.7752

Details

The CIELCh color **76, 89.720, 123.219** 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 **30, 110.011, 309.278**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 84.550, 121.795**, and **56, 75.176, 128.946** is the 20% darker color. If you saturate the color by 10%, you get **76, 89.699, 123.227**, and if you desaturate by 10%, it is **76, 86.470, 122.191**.

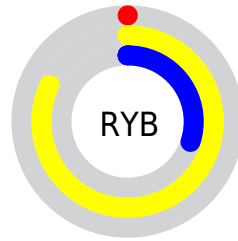
Distribution



Red (51%)

Green (82%)

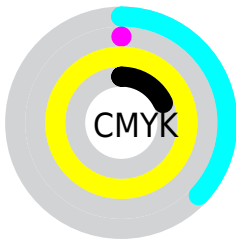
Blue (0%)



Red (0%)

Yellow (82%)

Blue (30%)

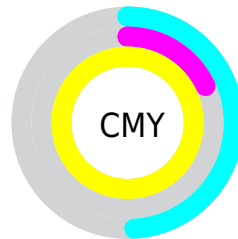


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (49%)


Magenta (18%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 89.720, 123.219 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 76, 89.720, 123.219 by changing the saturation by 10% instead.


 76, 89.720,
123.219


 76, 89.720,
123.219


 100, 89.720,
123.219


 66, 89.720,
123.219


 96, 89.720,
123.219

 56, 89.720,
123.219

 46, 89.720,
123.219

 36, 89.720,
123.219

 26, 89.720,
123.219

 16, 89.720,
123.219

 6, 89.720, 123.219

■ 0, 89.720, 123.219

■ 76, 89.720,
123.219

■ 76, 89.720,
123.219

■ 76, 89.699,
123.227

■ 76, 86.470,
122.191

■ 77, 81.293,
121.575

■ 77, 74.082,
121.394

■ 78, 65.303,
121.530

■ 79, 55.441,
121.870

■ 80, 44.882,
122.328

■ 80, 33.899,
122.845

■ 81, 22.679,
123.381

■ 82, 11.348,
123.914

Harmonies

Complementary

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



76, 89.720, 123.219



30, 110.011, 309.278

Rectangle

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



76, 89.720, 123.219



76, 89.720, 173.219



76, 89.720, 303.219



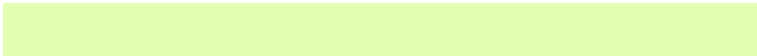
76, 89.720, 353.219

Sweetspot

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



76, 89.699, 123.227



96, 39.999, 122.826



50, 78.368, 50.732



51, 27.219, 122.602



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 89.699, 123.227



91, 104.774, 123.415



73, 101.787, 135.368



44, 6.468, 123.946



63, 76.505, 122.991



14, 25.073, 124.429

Inverse Universe

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



30, 110.011, 309.278



37, 128.500, 309.158



45, 100.109, 323.070



41, 6.579, 304.908



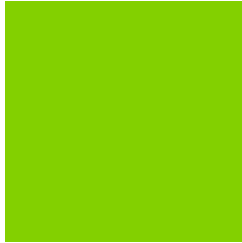
23, 93.828, 309.430



2, 26.174, 302.927

Previews

White Background



This preview shows how the CIELCh color 76, 89.720, 123.219 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 76, 89.720, 123.219 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 76, 89.720, 123.219

Background



This preview shows how black text looks on a background with the CIELCh color 76, 89.720, 123.219.



This preview shows how white text looks on a background with the CIELCh color 76, 89.720, 123.219.

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

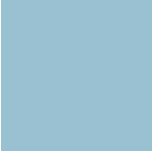
76, 89.720, 123.219

Protanopia

76, 77.500, 95.202

Deuteranopia

76, 71.662, 82.176



Tritanopia
76, 15.666, 232.158

Trichromacy



Original Color
76, 89.720, 123.219

Protanomaly
75, 79.500, 107.281

Deuteranomaly
75, 73.674, 100.048

Tritanomaly
75, 40.225, 137.482

Monochromacy



Original Color
76, 89.720, 123.219

Achromatopsia
66, 0.008, 296.813

Achromatomaly
69, 42.109, 122.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 89.720, 123.219 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, 208, 0)` looks like.

```
.text, #text, p{  
    color:rgb(131, 208, 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(131, 208, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 208, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 89.720, 123.219 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, 208, 0) }
```

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

```
.border{ border-color:rgb(131, 208, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 208, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 208, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 208, 0);  
box-shadow:4px 4px 4px 4px rgb(131, 208,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 89.720, 123.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 208, 0) }
```

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

```
.background{ background-color: rgb(131,  
208, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor