

Converting Colors

CIELCh(64, 77.433, 122.054)

Have a look what the booklet for
CIELCh(64, 77.433, 122.054)
contains.

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Color

CIELCh(64, 77.221, 122.072)

Conversions

Conversions Part 1

Format	Color
Hex	70AC00
RGB	112, 172, 0
RGB Percent	44%, 67%, 0%
CMY	0.5621, 0.3268, 1.0000
CMYK	0.35, 0.00, 1.00, 0.33
HSL	81°, 100%, 34%
HSV	81°, 100%, 67%
XYZ	21.3254, 32.8017, 5.1856
YIQ	134.4520, 19.4520, -66.2120

Conversions

Conversions Part 2

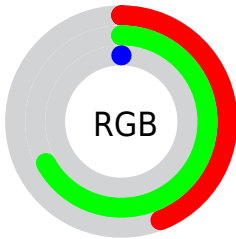
Format	Color
RYB	0, 172, 60
Decimal	7384064
CIELab	64.00, -41.00, 65.44
CIELCh	64, 77.221, 122.072
Yxy	32.8017, 0.3595, 0.5530
Android (android.graphics.Color)	4285574144 (0xFF70AC00)
YUV	134.4520, -66.2848, -19.6904
Hunter-Lab	57.2727, -33.7633, 34.7226

Details

The CIELCh color **64, 77.221, 122.072** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **23, 95.614, 309.083**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 77.464, 122.018**, and **44, 62.453, 128.615** is the 20% darker color. If you saturate the color by 10%, you get **64, 77.131, 122.103**, and if you desaturate by 10%, it is **64, 74.092, 121.203**.

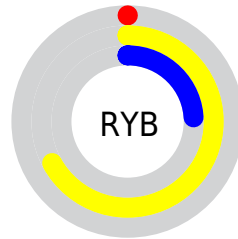
Distribution



Red (44%)

Green (67%)

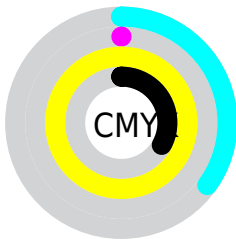
Blue (0%)



Red (0%)

Yellow (67%)

Blue (24%)

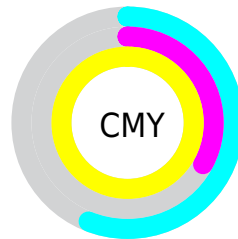


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (56%)


Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 77.221, 122.072 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 64, 77.221, 122.072 by changing the saturation by 10% instead.

 64, 77.221,
122.072


 64, 77.221,
122.072


 100, 77.221,
122.072

 54, 77.221,
122.072


 84, 77.221,
122.072

 44, 77.221,
122.072

 94, 77.221,
122.072

 34, 77.221,
122.072

 24, 77.221,
122.072

 14, 77.221,
122.072

 4, 77.221, 122.072

 0, 77.221, 122.072

■ 64, 77.221,
122.072

■ 64, 77.221,
122.072

■ 64, 77.131,
122.103

■ 64, 74.092,
121.203

■ 65, 69.517,
120.667

■ 65, 63.255,
120.538

■ 66, 55.704,
120.706

■ 66, 47.265,
121.064

■ 67, 38.253,
121.532

■ 68, 28.891,
122.056

■ 68, 19.330,

122.598

■ 69, 9.673, 123.139

Harmonies

Complementary

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



64, 77.221, 122.072



23, 95.614, 309.083

Rectangle

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



64, 77.221, 122.072



64, 77.221, 172.072



64, 77.221, 302.072



64, 77.221, 352.072

Sweetspot

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



64, 77.131, 122.103



86, 35.913, 122.027



41, 68.889, 49.322



45, 24.410, 121.810



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 77.131, 122.103



82, 94.393, 122.384



61, 87.790, 134.971



36, 5.521, 123.176



57, 69.911, 121.938



6, 11.906, 127.089

Inverse Universe

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



23, 95.614, 309.083



32, 117.032, 308.904



36, 87.136, 321.923



34, 5.617, 304.145



20, 86.653, 309.190



1, 11.592, 301.240

Previews

White Background



This preview shows how the CIELCh color 64, 77.221, 122.072 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 CIELCh color 64, 77.221, 122.072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

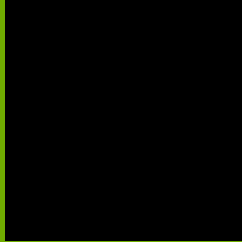
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 77.221, 122.072

Background



This preview shows how black text looks on a background with the CIELCh color 64, 77.221, 122.072.



This preview shows how white text looks on a background with the CIELCh color 64, 77.221, 122.072.

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



Original Color


64, 77.221, 122.072

Protanopia

64, 67.439, 95.335

Deuteranopia

64, 62.144, 82.480



Tritanopia
64, 12.553, 231.013

Trichromacy



Original Color
64, 77.221, 122.072

Protanomaly
63, 68.906, 106.638

Deuteranomaly
63, 63.939, 99.475

Tritanomaly
63, 34.487, 135.491

Monochromacy



Original Color
64, 77.221, 122.072

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 35.991, 121.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 77.221, 122.072 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(112, 172, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 172, 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(112, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 172, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 77.221, 122.072 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(112, 172, 0) }
```

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

```
.border{ border-color:rgb(112, 172, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 172, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 172,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 77.221, 122.072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 172, 0) }
```

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

```
.background{ background-color: rgb(112,  
172, 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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