

Converting Colors

CIELCh(61, 70.618, 118.472)

Have a look what the booklet for
CIELCh(61, 70.618, 118.472)
contains.

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Color

CIELCh(61, 70.654, 118.430)

Conversions

Conversions Part 1

Format	Color
Hex	76A107
RGB	118, 161, 7
RGB Percent	46%, 63%, 3%
CMY	0.5383, 0.3696, 0.9709
CMYK	0.27, 0.00, 0.95, 0.37
HSL	77°, 91%, 33%
HSV	77°, 95%, 63%
XYZ	20.1748, 29.2481, 4.7946
YIQ	130.5870, 23.8060, -57.0100

Conversions

Conversions Part 2

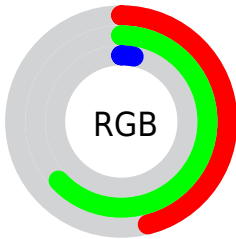
Format	Color
RYB	7, 161, 50
Decimal	7774471
CIELab	61.00, -33.64, 62.13
CIELCh	61, 70.654, 118.430
Yxy	29.2481, 0.3721, 0.5395
Android (android.graphics.Color)	4285964551 (0xFF76A107)
YUV	130.5870, -60.9284, -11.0388
Hunter-Lab	54.0815, -28.0542, 32.6007

Details

The CIELCh color **61, 70.654, 118.430** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **22, 89.699, 308.087**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 70.694, 118.482**, and **41, 56.487, 124.439** is the 20% darker color. If you saturate the color by 10%, you get **61, 71.902, 118.778**, and if you desaturate by 10%, it is **61, 67.375, 117.786**.

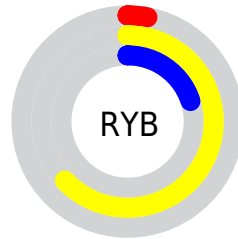
Distribution



Red (46%)

Green (63%)

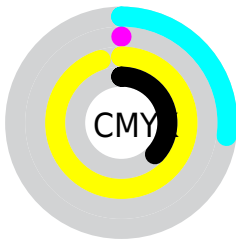
Blue (3%)



Red (3%)

Yellow (63%)

Blue (20%)

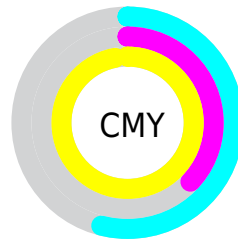


Cyan (27%)

Magenta (0%)

Yellow (95%)

Black (37%)



Cyan (54%)


Magenta (37%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 70.654, 118.430 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 61, 70.654, 118.430 by changing the saturation by 10% instead.


 61, 70.654,
118.430


 61, 70.654,
118.430


 100, 70.654,
118.430


 51, 70.654,
118.430


 81, 70.654,
118.430

 41, 70.654,
118.430

 91, 70.654,
118.430

 31, 70.654,
118.430

 21, 70.654,
118.430

 11, 70.654,
118.430

 1, 70.654, 118.430

 0, 70.654, 118.430

■ 61, 70.654,
118.430

■ 61, 70.654,
118.430

■ 61, 71.902,
118.778

■ 61, 67.375,
117.786

■ 62, 62.387,
117.553

■ 62, 55.968,
117.651

■ 63, 48.514,
117.977

■ 63, 40.369,
118.445

■ 64, 31.786,
118.994

■ 64, 22.939,
119.581

■ 65, 13.944,

120.177

■ 66, 4.882, 120.767

Harmonies

Complementary

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



61, 70.654, 118.430



22, 89.699, 308.087

Rectangle

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



61, 70.654, 118.430



61, 70.654, 168.430



61, 70.654, 298.430



61, 70.654, 348.430

Sweetspot

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



61, 70.654, 118.432



81, 32.393, 119.334



37, 64.794, 46.146



42, 22.127, 119.100



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



61, 70.654, 118.432



77, 87.555, 119.039



58, 81.213, 133.996



34, 5.192, 120.538



55, 66.744, 118.661



5, 8.179, 123.164

Inverse Universe

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



22, 89.699, 308.087



28, 112.279, 308.011



32, 82.435, 319.829



32, 5.290, 301.622



18, 85.508, 308.250



1, 8.085, 300.064

Previews

White Background



This preview shows how the CIELCh color 61, 70.654, 118.430 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 70.654, 118.430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

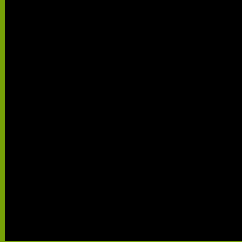
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 70.654, 118.430

Background



This preview shows how black text looks on a background with the CIELCh color 61, 70.654, 118.430.



This preview shows how white text looks on a background with the CIELCh color 61, 70.654, 118.430.

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
61, 70.784, 118.390

Protanopia
61, 64.936, 94.965

Deuteranopia
61, 59.636, 82.300



Tritanopia
61, 9.019, 247.795

Trichromacy



Original Color
61, 70.784, 118.390

Protanomaly
61, 65.467, 104.513

Deuteranomaly
60, 60.811, 97.099

Tritanomaly
60, 28.757, 129.108

Monochromacy



Original Color
61, 70.784, 118.390

Achromatopsia
54, 0.007, 296.813

Achromatomaly
56, 31.878, 118.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 70.654, 118.430 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(118, 161, 7)` looks like.

```
.text, #text, p{  
    color:rgb(118, 161, 7)  
}
```

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(118, 161, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 161, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 70.654, 118.430 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(118, 161, 7) }
```

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

```
.border{ border-color:rgb(118, 161, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 161, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 161, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 161, 7);  
box-shadow:4px 4px 4px 4px rgb(118, 161,  
7) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 70.654, 118.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 161, 7) }
```

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

```
.background{ background-color: rgb(118,  
161, 7) }
```

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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