

Converting Colors

CIELCh(70, 81.473, 121.129)

Have a look what the booklet for
CIELCh(70, 81.473, 121.129)
contains.

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Color

CIELCh(70, 81.248, 120.967)

Conversions

Conversions Part 1

Format	Color
Hex	80BC06
RGB	128, 188, 6
RGB Percent	50%, 74%, 2%
CMY	0.4966, 0.2613, 0.9765
CMYK	0.32, 0.00, 0.97, 0.26
HSL	80°, 94%, 38%
HSV	80°, 97%, 74%
XYZ	27.0493, 40.7494, 6.6112
YIQ	149.3120, 22.6620, -69.3220

Conversions

Conversions Part 2

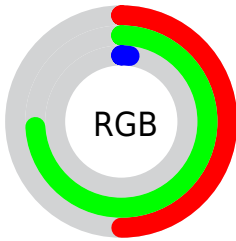
Format	Color
RYB	6, 188, 66
Decimal	8436742
CIELab	70.00, -41.81, 69.67
CIELCh	70, 81.248, 120.967
Yxy	40.7494, 0.3635, 0.5476
Android (android.graphics.Color)	4286626822 (0xFF80BC06)
YUV	149.3120, -70.6528, -18.6906
Hunter-Lab	63.8353, -36.0748, 38.5442

Details

The CIELCh color **70, 81.248, 120.967** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **27, 101.282, 308.742**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 81.355, 120.968**, and **50, 66.718, 126.582** is the 20% darker color. If you saturate the color by 10%, you get **70, 82.145, 121.270**, and if you desaturate by 10%, it is **70, 77.842, 120.117**.

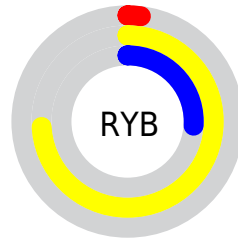
Distribution



Red (50%)

Green (74%)

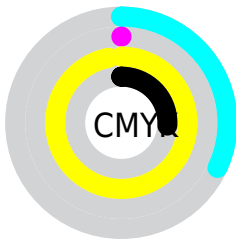
Blue (2%)



Red (2%)

Yellow (74%)

Blue (26%)

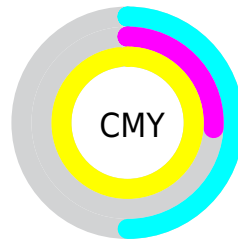


Cyan (32%)

Magenta (0%)

Yellow (97%)

Black (26%)



Cyan (50%)


Magenta (26%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 81.248, 120.967 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 70, 81.248, 120.967 by changing the saturation by 10% instead.


 70, 81.248,
120.967


 70, 81.248,
120.967


 100, 81.248,
120.967


 60, 81.248,
120.967


 90, 81.248,
120.967

 50, 81.248,
120.967

 40, 81.248,
120.967

 30, 81.248,
120.967

 20, 81.248,
120.967

 10, 81.248,
120.967

 0, 81.248, 120.967

■ 70, 81.248,
120.967

■ 70, 81.248,
120.967

■ 70, 82.145,
121.270

■ 70, 77.842,
120.117

■ 71, 72.464,
119.718

■ 71, 65.353,
119.697

■ 72, 56.962,
119.942

■ 73, 47.711,
120.354

■ 73, 37.912,
120.859

■ 74, 27.785,
121.409

■ 75, 17.477,

121.972

■ 76, 7.087, 122.529

Harmonies

Complementary

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



70, 81.248, 120.967



27, 101.282, 308.742

Rectangle

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



70, 81.248, 120.967



70, 81.248, 170.967



70, 81.248, 300.967



70, 81.248, 350.967

Sweetspot

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



70, 81.248, 120.968



93, 37.124, 121.261



45, 72.549, 48.447



49, 25.398, 121.026



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 81.248, 120.968



88, 100.180, 121.516



67, 92.942, 134.801



40, 5.900, 122.388



59, 72.065, 121.070



10, 18.137, 126.451

Inverse Universe

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



27, 101.282, 308.742



35, 125.528, 308.556



39, 92.745, 321.412



37, 6.006, 303.404



21, 90.253, 308.837



1, 17.707, 299.721

Previews

White Background



This preview shows how the CIELCh color 70, 81.248, 120.967 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 70, 81.248, 120.967 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 70, 81.248, 120.967

Background



This preview shows how black text looks on a background with the CIELCh color 70, 81.248, 120.967.



This preview shows how white text looks on a background with the CIELCh color 70, 81.248, 120.967.

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

70, 81.144, 120.998

Protanopia

70, 72.513, 95.263

Deuteranopia

70, 67.233, 82.372



Tritanopia
70, 12.184, 238.007

Trichromacy



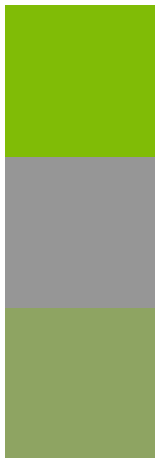
Original Color
70, 81.144, 120.998

Protanomaly
69, 73.573, 105.665

Deuteranomaly
69, 68.598, 99.046

Tritanomaly
69, 35.159, 133.882

Monochromacy



Original Color
70, 81.144, 120.998

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 36.951, 120.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 81.248, 120.967 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, 188, 6)` looks like.

```
.text, #text, p{  
    color:rgb(128, 188, 6)  
}
```

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, 188, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 188, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 81.248, 120.967 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, 188, 6) }
```

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

```
.border{ border-color:rgb(128, 188, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 188, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 188, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 188, 6);  
box-shadow:4px 4px 4px 4px rgb(128, 188,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 81.248, 120.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 188, 6) }
```

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

```
.background{ background-color: rgb(128,  
188, 6) }
```

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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