

Converting Colors

CIELCh(70, 84.890, 124.165)

Have a look what the booklet for
CIELCh(70, 84.890, 124.165)
contains.

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Color

CIELCh(70, 84.898, 124.297)

Conversions

Conversions Part 1

Format	Color
Hex	73BF00
RGB	115, 191, 0
RGB Percent	45%, 75%, 0%
CMY	0.5503, 0.2522, 1.0000
CMYK	0.40, 0.00, 1.00, 0.25
HSL	84°, 100%, 37%
HSV	84°, 100%, 75%
XYZ	25.5879, 40.7494, 6.4935
YIQ	146.5020, 16.0150, -75.5130

Conversions

Conversions Part 2

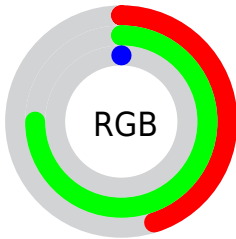
Format	Color
RYB	0, 191, 76
Decimal	7585536
CIELab	70.00, -47.84, 70.14
CIELCh	70, 84.898, 124.297
Yxy	40.7494, 0.3513, 0.5595
Android (android.graphics.Color)	4285775616 (0xFF73BF00)
YUV	146.5020, -72.2255, -27.6273
Hunter-Lab	63.8353, -40.1612, 38.6536

Details

The CIELCh color **70, 84.898, 124.297** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **28, 102.479, 309.818**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 84.840, 124.369**, and **50, 70.546, 130.555** is the 20% darker color. If you saturate the color by 10%, you get **70, 84.817, 124.325**, and if you desaturate by 10%, it is **70, 81.555, 123.316**.

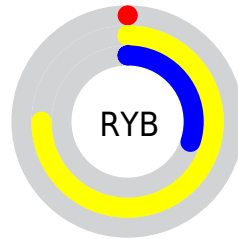
Distribution



Red (45%)

Green (75%)

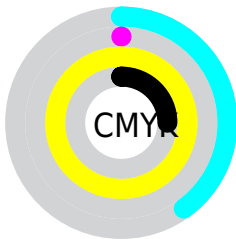
Blue (0%)



Red (0%)

Yellow (75%)

Blue (30%)

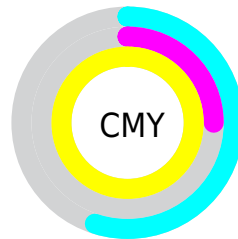


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (55%)


Magenta (25%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 84.898, 124.297 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, 84.898, 124.297 by changing the saturation by 10% instead.


 70, 84.898,
124.297


 70, 84.898,
124.297

 100, 84.898,
124.297

 60, 84.898,
124.297

 90, 84.898,
124.297

 50, 84.898,
124.297

 40, 84.898,
124.297

 30, 84.898,
124.297

 20, 84.898,
124.297

 10, 84.898,
124.297

 0, 84.898, 124.297

■ 70, 84.898,
124.297

■ 70, 84.898,
124.297

■ 70, 84.817,
124.325

■ 70, 81.555,
123.316

■ 71, 76.537,
122.707

■ 71, 69.654,
122.529

■ 72, 61.340,
122.662

■ 73, 52.040,
122.994

■ 73, 42.107,
123.440

■ 74, 31.791,
123.940

■ 75, 21.261,

124.458

■ 76, 10.634,
124.971

Harmonies

Complementary

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



70, 84.898, 124.297



28, 102.479, 309.818

Rectangle

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



70, 84.898, 124.297



70, 84.898, 174.297



70, 84.898, 304.297



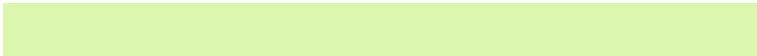
70, 84.898, 354.297

Sweetspot

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



70, 84.817, 124.325



94, 39.260, 123.916



47, 72.645, 51.974



50, 26.938, 123.699



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 84.817, 124.325



88, 103.342, 124.584



68, 95.530, 135.455



39, 5.975, 125.004



59, 73.692, 124.096



10, 18.543, 129.431

Inverse Universe

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



28, 102.479, 309.818



37, 124.839, 309.650



41, 93.666, 323.720



37, 6.072, 305.913



22, 89.051, 309.969



2, 17.828, 301.716

Previews

White Background



This preview shows how the CIELCh color 70, 84.898, 124.297 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, 84.898, 124.297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

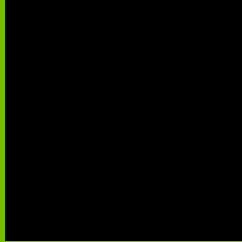
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 84.898, 124.297

Background



This preview shows how black text looks on a background with the CIELCh color 70, 84.898, 124.297.



This preview shows how white text looks on a background with the CIELCh color 70, 84.898, 124.297.

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

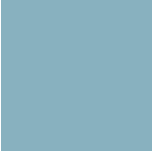
70, 84.898, 124.297

Protanopia

70, 72.513, 95.263

Deuteranopia

69, 66.319, 82.129



Tritanopia
70, 15.597, 228.102

Trichromacy



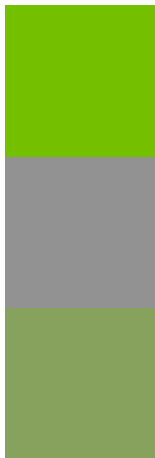
Original Color
70, 84.898, 124.297

Protanomaly
69, 74.333, 107.667

Deuteranomaly
69, 68.670, 100.926

Tritanomaly
69, 38.739, 139.708

Monochromacy



Original Color
70, 84.898, 124.297

Achromatopsia
61, 0.008, 296.813

Achromatomaly
63, 39.116, 123.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 84.898, 124.297 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(115, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 191, 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(115, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 191, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 84.898, 124.297 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(115, 191, 0) }
```

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

```
.border{ border-color:rgb(115, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 191,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 84.898, 124.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 191, 0) }
```

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

```
.background{ background-color: rgb(115,  
191, 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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