

Converting Colors

CIELCh(70, 72.647, 135.140)

Have a look what the booklet for
CIELCh(70, 72.647, 135.140)
contains.

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Color

CIELCh(70, 72.649, 135.121)

Conversions

Conversions Part 1

Format	Color
Hex	5EC046
RGB	94, 192, 70
RGB Percent	37%, 75%, 27%
CMY	0.6295, 0.2453, 0.7238
CMYK	0.51, 0.00, 0.63, 0.25
HSL	108°, 49%, 52%
HSV	108°, 63%, 75%
XYZ	24.7321, 40.7494, 12.4271
YIQ	148.7900, -19.2460, -58.7180

Conversions

Conversions Part 2

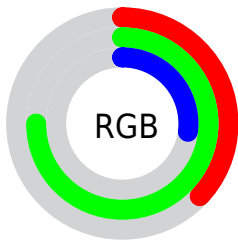
Format	Color
RYB	70, 192, 168
Decimal	6209606
CIELab	70.00, -51.48, 51.26
CIELCh	70, 72.649, 135.121
Yxy	40.7494, 0.3174, 0.5230
Android (android.graphics.Color)	4284399686 (0xFF5EC046)
YUV	148.7900, -38.8435, -48.0508
Hunter-Lab	63.8353, -42.5544, 33.1424

Details

The CIELCh color **70, 72.649, 135.121** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **48, 74.006, 321.359**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 72.495, 135.046**, and **50, 72.430, 135.101** is the 20% darker color. If you saturate the color by 10%, you get **69, 81.476, 134.620**, and if you desaturate by 10%, it is **71, 62.487, 135.761**.

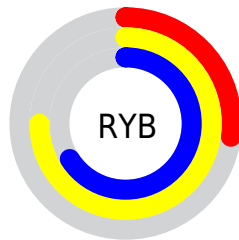
Distribution



Red (37%)

Green (75%)

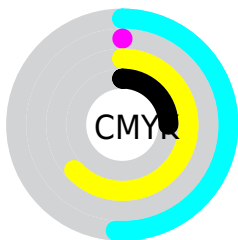
Blue (27%)



Red (27%)

Yellow (75%)

Blue (66%)

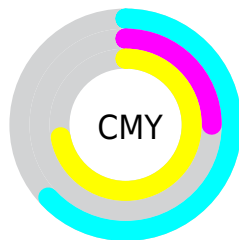


Cyan (51%)

Magenta (0%)

Yellow (63%)

Black (25%)



Cyan (63%)


Magenta (25%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 72.649, 135.121 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, 72.649, 135.121 by changing the saturation by 10% instead.


 70, 72.649,
135.121


 70, 72.649,
135.121


 100, 72.649,
135.121


 60, 72.649,
135.121


 90, 72.649,
135.121

 50, 72.649,
135.121

 40, 72.649,
135.121

 30, 72.649,
135.121

 20, 72.649,
135.121

 10, 72.649,
135.121

 0, 72.649, 135.121

70, 72.649,
135.121

70, 72.649,
135.121

69, 81.476,
134.620

71, 62.487,
135.761

69, 88.456,
134.382

72, 51.433,
136.443

68, 93.166,
134.518

73, 39.833,
137.108

68, 95.241,
134.714

74, 27.947,
137.724

76, 15.965,
138.280

77, 4.026, 138.801

79, 7.769, 319.145

81, 19.351,
319.523

■ 83, 30.675,
319.837

Harmonies

Complementary

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



70, 72.649, 135.121



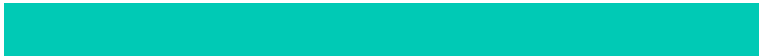
48, 74.006, 321.359

Rectangle

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



70, 72.649, 135.121



70, 72.649, 185.121



70, 72.649, 315.121



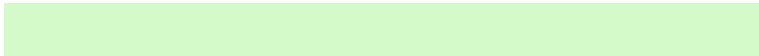
70, 72.649, 5.121

Sweetspot

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



70, 72.650, 135.122



95, 28.031, 137.959



69, 52.325, 92.808



50, 19.298, 137.795



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, 72.650, 135.122



88, 102.682, 134.491



70, 62.144, 147.684



40, 6.776, 138.488



58, 83.174, 134.587



10, 23.037, 140.236

Inverse Universe

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



48, 74.006, 321.359



56, 104.096, 321.457



50, 61.752, 339.510



38, 6.814, 319.294



32, 83.304, 320.882



3, 22.015, 317.602

Previews

White Background



This preview shows how the CIELCh color 70, 72.649, 135.121 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, 72.649, 135.121 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, 72.649, 135.121

Background



This preview shows how black text looks on a background with the CIELCh color 70, 72.649, 135.121.

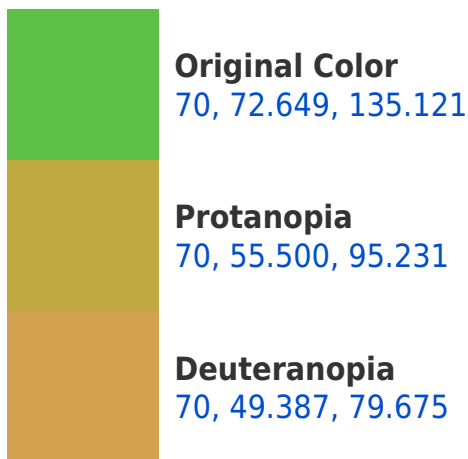


This preview shows how white text looks on a background with the CIELCh color 70, 72.649, 135.121.

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





Tritanopia
70, 21.238, 220.942

Trichromacy



Original Color
70, 72.649, 135.121



Protanomaly
69, 58.053, 114.333



Deuteranomaly
69, 50.189, 107.540



Tritanomaly
70, 33.322, 161.714

Monochromacy



Original Color
70, 72.649, 135.121



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 28.702, 137.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 72.649, 135.121 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(94, 192, 70)` looks like.

```
.text, #text, p{  
    color:rgb(94, 192, 70)  
}
```

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(94, 192, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 192, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 72.649, 135.121 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(94, 192, 70) }
```

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

```
.border{ border-color:rgb(94, 192, 70) }
```

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

Here you see how a box with a 4 pixel rgb(94, 192, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 192, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 192, 70);  
box-shadow:4px 4px 4px 4px rgb(94, 192,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 72.649, 135.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 192, 70) }
```

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

```
.background{ background-color: rgb(94, 192,  
70) }
```

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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