

Converting Colors

CIE LCh(70, 72.198, 132.327)

Have a look what the booklet for
CIELCh(70, 72.198, 132.327)
contains.

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Color

CIELCh(70, 71.934, 132.390)

Conversions

Conversions Part 1

Format	Color
Hex	68BF42
RGB	104, 191, 66
RGB Percent	41%, 75%, 26%
CMY	0.5910, 0.2498, 0.7400
CMYK	0.45, 0.00, 0.65, 0.25
HSL	102°, 50%, 51%
HSV	102°, 65%, 75%
XYZ	25.4319, 40.7494, 11.7236
YIQ	150.7370, -11.7270, -57.3190

Conversions

Conversions Part 2

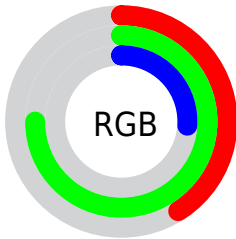
Format	Color
RYB	66, 191, 153
Decimal	6864706
CIELab	70.00, -48.50, 53.13
CIELCh	70, 71.934, 132.390
Yxy	40.7494, 0.3264, 0.5231
Android (android.graphics.Color)	4285054786 (0xFF68BF42)
YUV	150.7370, -41.7753, -40.9883
Hunter-Lab	63.8353, -40.5974, 33.7959

Details

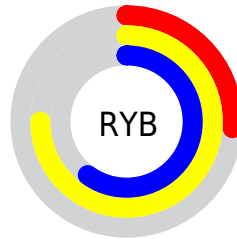
The CIELCh color **70, 71.934, 132.390** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **45, 75.135, 318.073**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 72.041, 132.320**, and **50, 72.060, 132.416** is the 20% darker color. If you saturate the color by 10%, you get **69, 80.322, 132.169**, and if you desaturate by 10%, it is **71, 62.237, 132.816**.

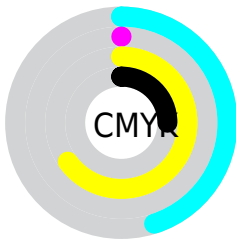
Distribution



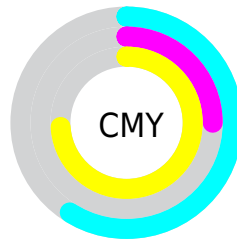
- Red (41%)
- Green (75%)
- Blue (26%)



- Red (26%)
- Yellow (75%)
- Blue (60%)



- Cyan (45%)
- Magenta (0%)
- Yellow (65%)
- Black (25%)





- Cyan (59%)
- Magenta (25%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 71.934, 132.390 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, 71.934, 132.390 by changing the saturation by 10% instead.


 70, 71.934,
132.390


 70, 71.934,
132.390


 100, 71.934,
132.390


 60, 71.934,
132.390


 90, 71.934,
132.390

 50, 71.934,
132.390

 40, 71.934,
132.390

 30, 71.934,
132.390

 20, 71.934,
132.390

 10, 71.934,
132.390

 0, 71.934, 132.390

■ 70, 71.934,
132.390

■ 70, 71.934,
132.390

■ 69, 80.322,
132.169

■ 71, 62.237,
132.816

■ 69, 86.910,
132.279

■ 72, 51.665,
133.341

■ 68, 91.331,
132.817

■ 73, 40.556,
133.894

■ 68, 92.902,
133.106

■ 74, 29.152,
134.433

■ 75, 17.629,
134.938

■ 77, 6.114, 135.410

■ 78, 5.304, 315.753

■ 80, 16.561,
316.130

■ 82, 27.614,
316.443

Harmonies

Complementary

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



70, 71.934, 132.390



45, 75.135, 318.073

Rectangle

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



70, 71.934, 132.390



70, 71.934, 182.390



70, 71.934, 312.390



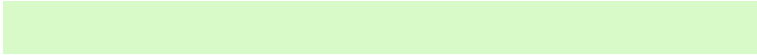
70, 71.934, 2.390

Sweetspot

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



70, 71.935, 132.391



95, 28.570, 134.692



65, 49.608, 83.679



50, 19.492, 134.547



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, 71.935, 132.391



88, 101.642, 132.166



69, 69.237, 143.478



40, 6.566, 135.221



58, 81.463, 132.937



10, 22.404, 137.953

Inverse Universe

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



45, 75.135, 318.073



53, 106.325, 318.092



49, 67.802, 334.271



38, 6.620, 315.976



29, 84.780, 317.335



3, 21.183, 312.972

Previews

White Background



This preview shows how the CIELCh color 70, 71.934, 132.390 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, 71.934, 132.390 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, 71.934, 132.390

Background



This preview shows how black text looks on a background with the CIELCh color 70, 71.934, 132.390.



This preview shows how white text looks on a background with the CIELCh color 70, 71.934, 132.390.

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](#).

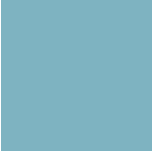
Dichromacy



Original Color
70, 71.934, 132.390

Protanopia
69, 57.158, 95.310

Deuteranopia
70, 51.387, 79.898



Tritanopia
70, 18.785, 222.445

Trichromacy



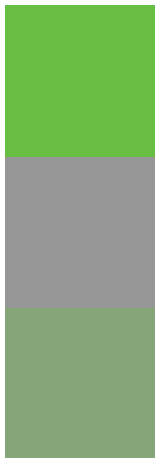
Original Color
70, 71.934, 132.390

Protanomaly
69, 59.391, 112.311

Deuteranomaly
69, 52.416, 105.298

Tritanomaly
69, 31.023, 157.596

Monochromacy



Original Color
70, 71.934, 132.390

Achromatopsia
62, 0.008, 296.813

Achromatomaly
65, 28.385, 134.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 71.934, 132.390 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(104, 191, 66)` looks like.

```
.text, #text, p{  
    color:rgb(104, 191, 66)  
}
```

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(104, 191, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 191, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 71.934, 132.390 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(104, 191, 66) }
```

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

```
.border{ border-color:rgb(104, 191, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 191, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 191, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 191, 66);  
box-shadow:4px 4px 4px 4px rgb(104, 191,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 71.934, 132.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 191, 66) }
```

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

```
.background{ background-color: rgb(104,  
191, 66) }
```

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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