

Converting Colors

CIELCh(71, 46.940, 111.674)

Have a look what the booklet for
CIELCh(71, 46.940, 111.674)
contains.

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Color

CIELCh(71, 46.930, 111.818)

Conversions

Conversions Part 1

Format	Color
Hex	A9B55C
RGB	169, 181, 92
RGB Percent	66%, 71%, 36%
CMY	0.3378, 0.2907, 0.6397
CMYK	0.07, 0.00, 0.49, 0.29
HSL	68°, 38%, 53%
HSV	68°, 49%, 71%
XYZ	34.7591, 42.1875, 16.4090
YIQ	167.2660, 21.4170, -30.2230

Conversions

Conversions Part 2

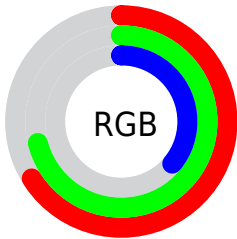
Format	Color
RYB	92, 181, 104
Decimal	11122012
CIELab	71.00, -17.44, 43.57
CIELCh	71, 46.930, 111.818
Yxy	42.1875, 0.3723, 0.4519
Android (android.graphics.Color)	4289312092 (0xFFA9B55C)
YUV	167.2660, -37.1061, 1.5207
Hunter-Lab	64.9519, -18.1414, 30.4877

Details

The CIELCh color **71, 46.930, 111.818** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **44, 53.304, 300.768**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 47.140, 111.722**, and **51, 46.674, 111.705** is the 20% darker color. If you saturate the color by 10%, you get **71, 55.355, 111.222**, and if you desaturate by 10%, it is **71, 37.889, 112.512**.

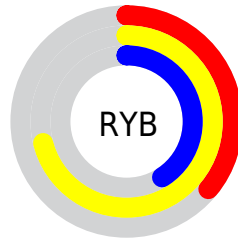
Distribution



Red (66%)

Green (71%)

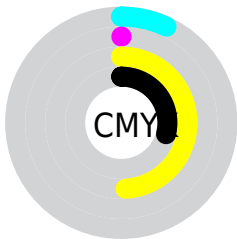
Blue (36%)



Red (36%)

Yellow (71%)

Blue (41%)

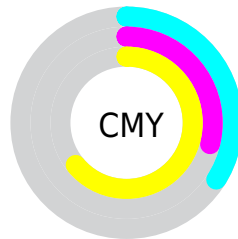


Cyan (7%)

Magenta (0%)

Yellow (49%)

Black (29%)



Cyan (34%)


Magenta (29%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 46.930, 111.818 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 71, 46.930, 111.818 by changing the saturation by 10% instead.


 71, 46.930,
111.818


 71, 46.930,
111.818


 100, 46.930,
111.818


 61, 46.930,
111.818


 91, 46.930,
111.818

 51, 46.930,
111.818

 41, 46.930,
111.818

 31, 46.930,
111.818

 21, 46.930,
111.818

 11, 46.930,
111.818

 1, 46.930, 111.818

■ 0, 46.930, 111.818

■ 71, 46.930,
111.818

■ 71, 46.930,
111.818

■ 71, 55.355,
111.222

■ 71, 37.889,
112.512

■ 70, 62.824,
110.773

■ 72, 28.464,
113.255

■ 70, 68.906,
110.546

■ 72, 18.812,
114.018

■ 70, 73.170,
110.614

■ 73, 9.036, 114.781

■ 70, 75.643,
110.978

■ 74, 0.795, 295.546

■ 70, 75.822,
111.009

■ 74, 10.636,
296.256

■ 75, 20.452,

296.949

■ 76, 30.221,
297.607

■ 77, 39.924,
298.228

Harmonies

Complementary

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



71, 46.930, 111.818



44, 53.304, 300.768

Rectangle

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



71, 46.930, 111.818



71, 46.930, 161.818



71, 46.930, 291.818



71, 46.930, 341.818

Sweetspot

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



71, 46.931, 111.820



92, 18.178, 114.320



52, 35.788, 34.229



49, 12.384, 114.162



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



71, 46.931, 111.820



89, 68.020, 111.180



68, 52.357, 131.262



38, 5.502, 114.772



60, 66.994, 110.907



8, 13.459, 117.851

Inverse Universe

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



44, 53.304, 300.768



50, 80.300, 302.375



49, 54.879, 315.687



35, 5.619, 296.213



18, 90.541, 306.871



1, 13.364, 294.271

Previews

White Background



This preview shows how the CIELCh color 71, 46.930, 111.818 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 CIE LCh color 71, 46.930, 111.818 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 71, 46.930, 111.818

Background



This preview shows how black text looks on a background with the CIELCh color 71, 46.930, 111.818.

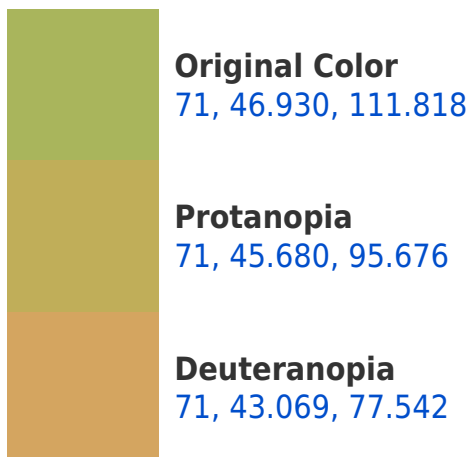



This preview shows how white text looks on a background with the CIELCh color 71, 46.930, 111.818.

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
71, 7.732, 313.265

Trichromacy



Original Color
71, 46.930, 111.818

Protanomaly
71, 45.901, 101.776

Deuteranomaly
71, 42.148, 90.983

Tritanomaly
71, 13.025, 108.871

Monochromacy



Original Color
71, 46.930, 111.818

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 17.486, 113.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 46.930, 111.818 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(169, 181, 92)` looks like.

```
.text, #text, p{  
    color:rgb(169, 181, 92)  
}
```

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(169, 181, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 181, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 46.930, 111.818 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(169, 181, 92) }
```

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

```
.border{ border-color:rgb(169, 181, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 181, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 181, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 181, 92);  
box-shadow:4px 4px 4px 4px rgb(169, 181,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 46.930, 111.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 181, 92) }
```

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

```
.background{ background-color: rgb(169,  
181, 92) }
```

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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