

Converting Colors

CIELCh(70, 74.060, 106.322)

Have a look what the booklet for
CIELCh(70, 74.060, 106.322)
contains.

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Color

CIELCh(70, 74.022, 106.351)

Conversions

Conversions Part 1

Format	Color
Hex	A9B304
RGB	169, 179, 4
RGB Percent	66%, 70%, 2%
CMY	0.3367, 0.2975, 0.9829
CMYK	0.06, 0.00, 0.98, 0.30
HSL	63°, 95%, 36%
HSV	63°, 98%, 70%
XYZ	32.5595, 40.7494, 6.2737
YIQ	156.0600, 50.2150, -56.5450

Conversions

Conversions Part 2

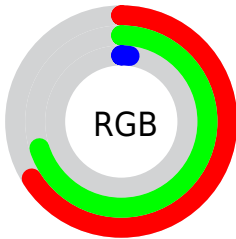
Format	Color
R_{YB}	4, 179, 14
Decimal	11121412
CIE _{Lab}	70.00, -20.84, 71.03
CIE _{LCh}	70, 74.022, 106.351
Yxy	40.7494, 0.4091, 0.5120
Android (android.graphics.Color)	4289311492 (0xFFA9B304)
YUV	156.0600, -74.9656, 11.3484
Hunter-Lab	63.8353, -20.6670, 38.8577

Details

The CIELCh color **70, 74.022, 106.351** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **22, 101.125, 306.246**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 74.124, 106.433**, and **50, 58.338, 109.819** is the 20% darker color. If you saturate the color by 10%, you get **70, 74.532, 106.370**, and if you desaturate by 10%, it is **70, 71.488, 106.335**.

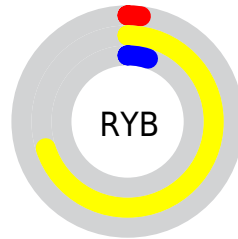
Distribution



Red (66%)

Green (70%)

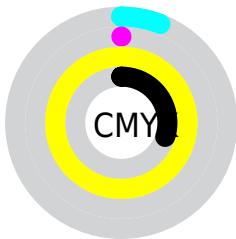
Blue (2%)



Red (2%)

Yellow (70%)

Blue (5%)

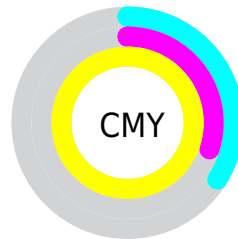


Cyan (6%)

Magenta (0%)

Yellow (98%)

Black (30%)



Cyan (34%)


Magenta (30%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 74.022, 106.351 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, 74.022, 106.351 by changing the saturation by 10% instead.


 70, 74.022,
106.351


 70, 74.022,
106.351


 100, 74.022,
106.351


 60, 74.022,
106.351


 90, 74.022,
106.351

 50, 74.022,
106.351

 40, 74.022,
106.351

 30, 74.022,
106.351

 20, 74.022,
106.351

 10, 74.022,
106.351

 0, 74.022, 106.351

■ 70, 74.022,
106.351

■ 70, 74.022,
106.351

■ 70, 74.532,
106.370

■ 70, 71.488,
106.335

■ 70, 67.043,
106.560

■ 70, 60.839,
107.008

■ 71, 53.318,
107.628

■ 71, 44.901,
108.367

■ 71, 35.910,
109.180

■ 72, 26.564,
110.035

■ 72, 17.011,

110.906

■ 73, 7.346, 111.774

Harmonies

Complementary

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



70, 74.022, 106.351



22, 101.125, 306.246

Rectangle

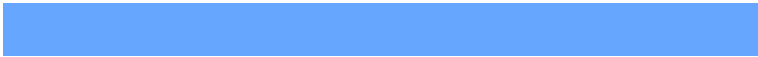
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 74.022, 106.351



70, 74.022, 156.351



70, 74.022, 286.351



70, 74.022, 336.351

Sweetspot

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



70, 74.022, 106.353



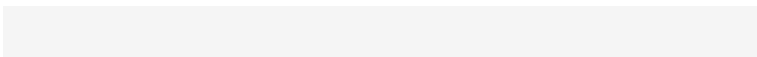
90, 34.440, 109.869



38, 78.090, 39.824



48, 23.746, 109.507



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 74.022, 106.353



88, 90.471, 106.428



65, 84.164, 129.355



38, 5.478, 111.624



61, 66.347, 106.327



8, 13.341, 113.538

Inverse Universe

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



22, 101.125, 306.246



29, 124.338, 306.417



30, 93.688, 313.242



35, 5.597, 293.287



17, 91.074, 306.499



1, 13.328, 291.916

Previews

White Background



This preview shows how the CIELCh color 70, 74.022, 106.351 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 70, 74.022, 106.351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

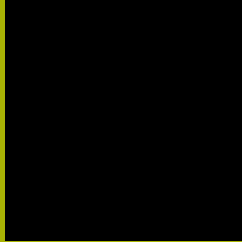
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 74.022, 106.351

Background



This preview shows how black text looks on a background with the CIELCh color 70, 74.022, 106.351.

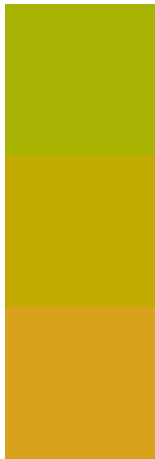


This preview shows how white text looks on a background with the CIELCh color 70, 74.022, 106.351.

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, 74.022, 106.351

Protanopia

70, 72.582, 94.905

Deuteranopia

70, 69.269, 82.381



Tritanopia
70, 9.766, 328.525

Trichromacy



Original Color
70, 74.022, 106.351

Protanomaly
70, 72.661, 99.300

Deuteranomaly
70, 69.722, 91.395

Tritanomaly
69, 29.819, 102.266

Monochromacy



Original Color
70, 74.022, 106.351

Achromatopsia
64, 0.008, 296.813

Achromatomaly
66, 34.135, 108.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 74.022, 106.351 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, 179, 4)` looks like.

```
.text, #text, p{  
    color:rgb(169, 179, 4)  
}
```

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, 179, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 179, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 74.022, 106.351 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, 179, 4) }
```

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

```
.border{ border-color:rgb(169, 179, 4) }
```

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

Here you see how a box with a 4 pixel rgb(169, 179, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 179, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 179, 4);  
box-shadow:4px 4px 4px 4px rgb(169, 179,  
4) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 74.022, 106.351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 179, 4) }
```

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

```
.background{ background-color: rgb(169,  
179, 4) }
```

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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