

Converting Colors

CIELCh(70, 71.832, 113.851)

Have a look what the booklet for
CIELCh(70, 71.832, 113.851)
contains.

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Color

CIELCh(70, 71.909, 113.777)

Conversions

Conversions Part 1

Format	Color
Hex	99B720
RGB	153, 183, 32
RGB Percent	60%, 72%, 13%
CMY	0.4000, 0.2823, 0.8744
CMYK	0.16, 0.00, 0.83, 0.28
HSL	72°, 70%, 42%
HSV	72°, 83%, 72%
XYZ	30.3357, 40.7494, 7.6342
YIQ	156.8160, 30.5910, -53.3210

Conversions

Conversions Part 2

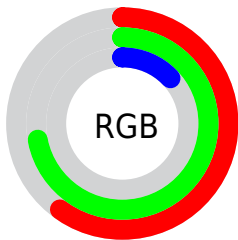
Format	Color
R_{YB}	32, 183, 62
Decimal	10073888
CIE _{Lab}	70.00, -28.99, 65.81
CIE _{LCh}	70, 71.909, 113.777
Yxy	40.7494, 0.3854, 0.5177
Android (android.graphics.Color)	4288263968 (0xFF99B720)
YUV	156.8160, -61.5343, -3.3466
Hunter-Lab	63.8353, -26.8852, 37.5941

Details

The CIELCh color **70, 71.909, 113.777** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **28, 91.158, 306.450**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 71.992, 113.657**, and **50, 61.052, 117.193** is the 20% darker color. If you saturate the color by 10%, you get **70, 75.683, 114.155**, and if you desaturate by 10%, it is **70, 66.210, 113.768**.

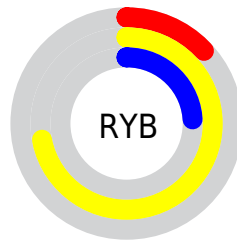
Distribution



Red (60%)

Green (72%)

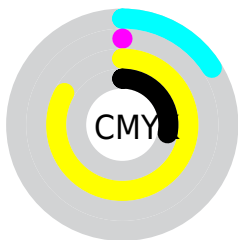
Blue (13%)



Red (13%)

Yellow (72%)

Blue (24%)

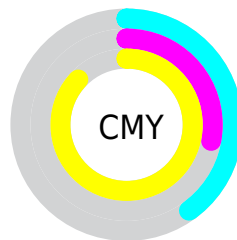


Cyan (16%)

Magenta (0%)

Yellow (83%)

Black (28%)



Cyan (40%)


Magenta (28%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 71.909, 113.777 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, 71.909, 113.777 by changing the saturation by 10% instead.


 70, 71.909,
113.777


 70, 71.909,
113.777


 100, 71.909,
113.777


 60, 71.909,
113.777


 90, 71.909,
113.777

 50, 71.909,
113.777

 40, 71.909,
113.777

 30, 71.909,
113.777

 20, 71.909,
113.777

 10, 71.909,
113.777

 0, 71.909, 113.777

■ 70, 71.909,
113.777

■ 70, 71.909,
113.777

■ 70, 75.683,
114.155

■ 70, 66.210,
113.768

■ 70, 77.497,
114.628

■ 71, 58.974,
114.039

■ 71, 50.651,
114.502

■ 72, 41.612,
115.086

■ 72, 32.125,
115.737

■ 73, 22.370,
116.418

■ 74, 12.465,
117.105

■ 74, 2.491, 117.783

Harmonies

Complementary

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



70, 71.909, 113.777



28, 91.158, 306.450

Rectangle

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



70, 71.909, 113.777



70, 71.909, 163.777



70, 71.909, 293.777



70, 71.909, 343.777

Sweetspot

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



70, 71.909, 113.779



92, 30.637, 116.218



43, 64.840, 41.650



49, 21.030, 115.979



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



70, 71.909, 113.779



88, 93.955, 114.732



66, 82.054, 131.906



39, 5.665, 117.320



60, 68.688, 114.492



9, 15.635, 120.898

Inverse Universe

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



28, 91.158, 306.450



31, 124.466, 307.129



37, 86.187, 317.656



36, 5.781, 298.603



19, 91.007, 307.338



1, 15.483, 296.030

Previews

White Background



This preview shows how the CIELCh color 70, 71.909, 113.777 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, 71.909, 113.777 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, 71.909, 113.777

Background



This preview shows how black text looks on a background with the CIELCh color 70, 71.909, 113.777.



This preview shows how white text looks on a background with the CIELCh color 70, 71.909, 113.777.

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, 71.909, 113.777

Protanopia
70, 67.888, 95.227

Deuteranopia
70, 64.583, 82.223



Tritanopia
70, 7.732, 282.869

Trichromacy



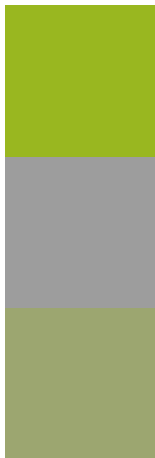
Original Color
70, 71.909, 113.777

Protanomaly
70, 68.277, 102.176

Deuteranomaly
70, 64.560, 94.727

Tritanomaly
69, 25.451, 119.601

Monochromacy



Original Color
70, 71.909, 113.777

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 29.652, 115.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 71.909, 113.777 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(153, 183, 32)` looks like.

```
.text, #text, p{  
    color:rgb(153, 183, 32)  
}
```

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(153, 183, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 183, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 71.909, 113.777 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(153, 183, 32) }
```

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

```
.border{ border-color:rgb(153, 183, 32) }
```

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

Here you see how a box with a 4 pixel rgb(153, 183, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 183, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 183, 32);  
box-shadow:4px 4px 4px 4px rgb(153, 183,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 71.909, 113.777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 183, 32) }
```

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

```
.background{ background-color: rgb(153,  
183, 32) }
```

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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