

Converting Colors

CIELCh(71, 80.056, 116.710)

Have a look what the booklet for
CIELCh(71, 80.056, 116.710)
contains.

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Color

CIELCh(71, 80.176, 116.772)

Conversions

Conversions Part 1

Format	Color
Hex	90BD00
RGB	144, 189, 0
RGB Percent	56%, 74%, 0%
CMY	0.4363, 0.2598, 1.0000
CMYK	0.24, 0.00, 1.00, 0.26
HSL	74°, 100%, 37%
HSV	74°, 100%, 74%
XYZ	29.5929, 42.1875, 6.5633
YIQ	153.9990, 33.8490, -68.3190

Conversions

Conversions Part 2

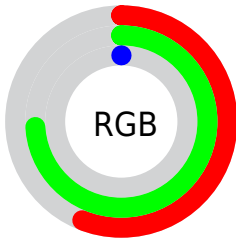
Format	Color
RYB	0, 189, 45
Decimal	9485568
CIELab	71.00, -36.11, 71.58
CIELCh	71, 80.176, 116.772
Yxy	42.1875, 0.3777, 0.5385
Android (android.graphics.Color)	4287675648 (0xFF90BD00)
YUV	153.9990, -75.9215, -8.7691
Hunter-Lab	64.9519, -32.3391, 39.4751

Details

The CIELCh color **71, 80.176, 116.772** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **24, 104.597, 307.604**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 79.949, 116.692**, and **51, 64.658, 122.051** is the 20% darker color. If you saturate the color by 10%, you get **71, 80.104, 116.792**, and if you desaturate by 10%, it is **71, 77.407, 116.054**.

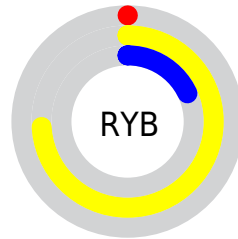
Distribution



Red (56%)

Green (74%)

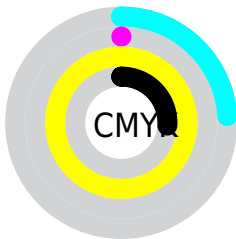
Blue (0%)



Red (0%)

Yellow (74%)

Blue (18%)

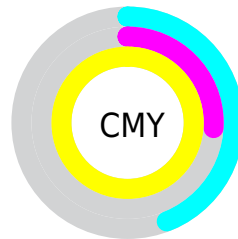


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (44%)


Magenta (26%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 80.176, 116.772 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, 80.176, 116.772 by changing the saturation by 10% instead.


 71, 80.176,
116.772

 71, 80.176,
116.772


 100, 80.176,
116.772


 61, 80.176,
116.772


 91, 80.176,
116.772

 51, 80.176,
116.772

 41, 80.176,
116.772

 31, 80.176,
116.772

 21, 80.176,
116.772

 11, 80.176,
116.772

 1, 80.176, 116.772

■ 0, 80.176, 116.772

■ 71, 80.176,
116.772

■ 71, 80.176,
116.772

■ 71, 80.104,
116.792

■ 71, 77.407,
116.054

■ 72, 72.943,
115.672

■ 72, 66.589,
115.663

■ 73, 58.779,
115.931

■ 73, 49.962,
116.381

■ 74, 40.492,
116.942

■ 74, 30.619,
117.561

■ 75, 20.509,
118.204

■ 76, 10.275,
118.847

Harmonies

Complementary

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



71, 80.176, 116.772



24, 104.597, 307.604

Rectangle

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



71, 80.176, 116.772



71, 80.176, 166.772



71, 80.176, 296.772



71, 80.176, 346.772

Sweetspot

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



71, 80.104, 116.792



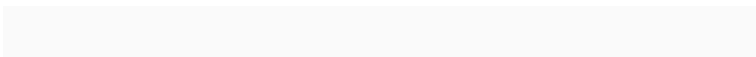
94, 37.809, 117.531



42, 78.027, 44.579



50, 25.707, 117.266



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



71, 80.104, 116.792



90, 97.477, 116.993



67, 92.703, 133.741



40, 5.822, 118.888



60, 70.203, 116.626



10, 17.630, 121.922

Inverse Universe

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



24, 104.597, 307.604



33, 127.370, 307.484



36, 94.945, 318.425



37, 5.938, 300.083



20, 91.612, 307.708



1, 17.590, 297.254

Previews

White Background



This preview shows how the CIELCh color 71, 80.176, 116.772 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 71, 80.176, 116.772 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, 80.176, 116.772

Background



This preview shows how black text looks on a background with the CIELCh color 71, 80.176, 116.772.



This preview shows how white text looks on a background with the CIELCh color 71, 80.176, 116.772.

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

71, 80.176, 116.772

Protanopia

71, 73.430, 95.383

Deuteranopia

71, 68.358, 82.320



Tritanopia
71, 9.204, 255.619

Trichromacy



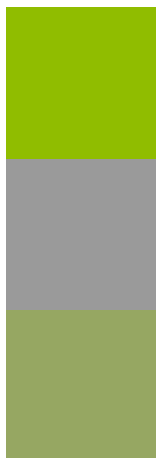
Original Color
71, 80.176, 116.772

Protanomaly
71, 74.328, 103.889

Deuteranomaly
70, 69.893, 96.437

Tritanomaly
70, 33.911, 125.091

Monochromacy



Original Color
71, 80.176, 116.772

Achromatopsia
64, 0.008, 296.813

Achromatomaly
66, 37.865, 117.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 80.176, 116.772 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(144, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(144, 189, 0)  
}
```

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(144, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 189, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 80.176, 116.772 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(144, 189, 0) }
```

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

```
.border{ border-color:rgb(144, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(144, 189,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 80.176, 116.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 189, 0) }
```

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

```
.background{ background-color: rgb(144,  
189, 0) }
```

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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