

Converting Colors

CIELCh(71, 68.951, 117.069)

Have a look what the booklet for
CIELCh(71, 68.951, 117.069)
contains.

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Color

CIELCh(71, 69.105, 116.990)

Conversions

Conversions Part 1

Format	Color
Hex	96BB31
RGB	150, 187, 49
RGB Percent	59%, 73%, 19%
CMY	0.4122, 0.2671, 0.8083
CMYK	0.20, 0.00, 0.74, 0.27
HSL	76°, 59%, 46%
HSV	76°, 74%, 73%
XYZ	30.8554, 42.1875, 9.4090
YIQ	160.2050, 22.2460, -50.7620

Conversions

Conversions Part 2

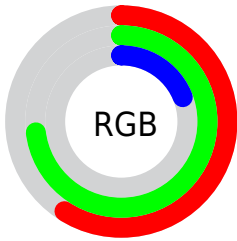
Format	Color
RYB	49, 187, 86
Decimal	9878321
CIELab	71.00, -31.36, 61.58
CIELCh	71, 69.105, 116.990
Yxy	42.1875, 0.3742, 0.5117
Android (android.graphics.Color)	4288068401 (0xFF96BB31)
YUV	160.2050, -54.8241, -8.9498
Hunter-Lab	64.9519, -28.8695, 36.8775

Details

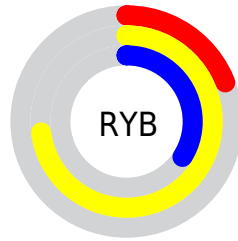
The CIELCh color **71, 69.105, 116.990** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **33, 83.445, 306.969**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 68.945, 117.007**, and **51, 63.065, 119.069** is the 20% darker color. If you saturate the color by 10%, you get **71, 74.826, 117.183**, and if you desaturate by 10%, it is **71, 61.776, 117.126**.

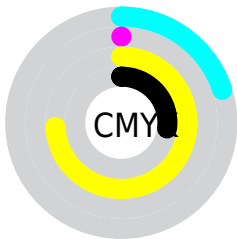
Distribution



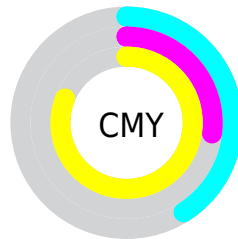
- Red (59%)
- Green (73%)
- Blue (19%)



- Red (19%)
- Yellow (73%)
- Blue (34%)



- Cyan (20%)
- Magenta (0%)
- Yellow (74%)
- Black (27%)





- Cyan (41%)
- Magenta (27%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 69.105, 116.990 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, 69.105, 116.990 by changing the saturation by 10% instead.


 71, 69.105,
116.990


 71, 69.105,
116.990


 100, 69.105,
116.990


 61, 69.105,
116.990


 91, 69.105,
116.990

 51, 69.105,
116.990

 41, 69.105,
116.990

 31, 69.105,
116.990

 21, 69.105,
116.990

 11, 69.105,
116.990

 1, 69.105, 116.990

■ 0, 69.105, 116.990

■ 71, 69.105,
116.990

■ 71, 69.105,
116.990

■ 71, 74.826,
117.183

■ 71, 61.776,
117.126

■ 70, 78.572,
117.794

■ 72, 53.296,
117.484

■ 70, 80.172,
118.313

■ 73, 44.053,
117.979

■ 73, 34.332,
118.552

■ 74, 24.326,
119.159

■ 75, 14.163,
119.773

■ 76, 3.930, 120.382

■ 76, 6.313, 300.947

■ 77, 16.523,
301.500

Harmonies

Complementary

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



71, 69.105, 116.990



33, 83.445, 306.969

Rectangle

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



71, 69.105, 116.990



71, 69.105, 166.990



71, 69.105, 296.990



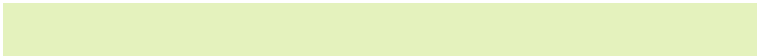
71, 69.105, 346.990

Sweetspot

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



71, 69.105, 116.992



93, 27.726, 119.250



49, 55.573, 46.266



50, 18.760, 119.083



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, 69.105, 116.992



89, 94.194, 117.535



68, 79.207, 133.846



40, 5.845, 120.047



60, 70.772, 118.142



10, 17.791, 123.493

Inverse Universe

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



33, 83.445, 306.969



36, 119.249, 307.881



42, 81.188, 320.319



37, 5.958, 301.178



20, 91.198, 308.037



1, 17.625, 298.066

Previews

White Background



This preview shows how the CIELCh color 71, 69.105, 116.990 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, 69.105, 116.990 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, 69.105, 116.990

Background



This preview shows how black text looks on a background with the CIELCh color 71, 69.105, 116.990.



This preview shows how white text looks on a background with the CIELCh color 71, 69.105, 116.990.

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, 69.105, 116.990

Protanopia
71, 64.339, 95.278

Deuteranopia
71, 60.640, 81.469



Tritanopia
71, 8.234, 267.892

Trichromacy



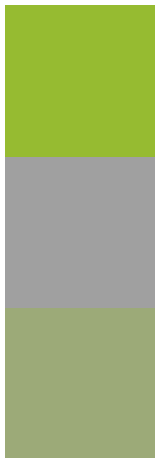
Original Color
71, 69.105, 116.990

Protanomaly
71, 65.056, 103.721

Deuteranomaly
71, 60.319, 95.542

Tritanomaly
71, 23.955, 126.285

Monochromacy



Original Color
71, 69.105, 116.990

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 27.757, 119.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 69.105, 116.990 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(150, 187, 49)` looks like.

```
.text, #text, p{  
    color:rgb(150, 187, 49)  
}
```

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(150, 187, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 187, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 69.105, 116.990 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(150, 187, 49) }
```

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

```
.border{ border-color:rgb(150, 187, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 187, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 187, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 187, 49);  
box-shadow:4px 4px 4px 4px rgb(150, 187,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 69.105, 116.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 187, 49) }
```

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

```
.background{ background-color: rgb(150,  
187, 49) }
```

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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