

Converting Colors

CIELCh(70, 59.544, 119.718)

Have a look what the booklet for
CIELCh(70, 59.544, 119.718)
contains.

CIELCh(70, 59.789, 119.742)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(70, 59.789, 119.742)

Conversions

Conversions Part 1

Format	Color
Hex	93B847
RGB	147, 184, 71
RGB Percent	58%, 72%, 28%
CMY	0.4250, 0.2798, 0.7229
CMYK	0.20, 0.00, 0.62, 0.28
HSL	80°, 44%, 50%
HSV	80°, 62%, 72%
XYZ	30.1579, 40.7494, 12.1787
YIQ	160.0550, 14.2210, -42.9870

Conversions

Conversions Part 2

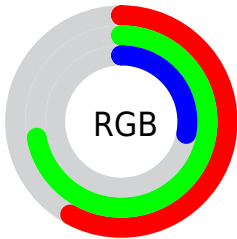
Format	Color
RYB	71, 184, 108
Decimal	9680967
CIELab	70.00, -29.66, 51.91
CIELCh	70, 59.789, 119.742
Yxy	40.7494, 0.3630, 0.4904
Android (android.graphics.Color)	4287871047 (0xFF93B847)
YUV	160.0550, -43.9041, -11.4492
Hunter-Lab	63.8353, -27.3824, 33.3732

Details

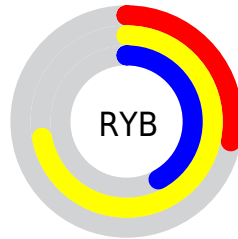
The CIELCh color **70, 59.789, 119.742** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **40, 68.482, 307.337**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 59.660, 119.839**, and **50, 59.902, 119.774** is the 20% darker color. If you saturate the color by 10%, you get **69, 67.486, 119.606**, and if you desaturate by 10%, it is **71, 51.075, 120.090**.

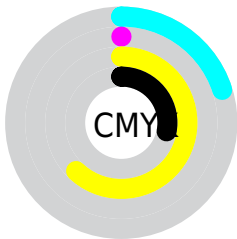
Distribution



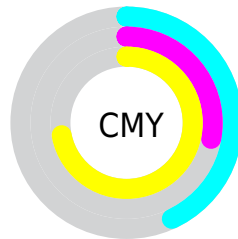
- Red (58%)
- Green (72%)
- Blue (28%)



- Red (28%)
- Yellow (72%)
- Blue (42%)



- Cyan (20%)
- Magenta (0%)
- Yellow (62%)
- Black (28%)





- Cyan (43%)
- Magenta (28%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 59.789, 119.742 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, 59.789, 119.742 by changing the saturation by 10% instead.


 70, 59.789,
119.742


 70, 59.789,
119.742


 100, 59.789,
119.742


 60, 59.789,
119.742


 90, 59.789,
119.742

 50, 59.789,
119.742

 40, 59.789,
119.742

 30, 59.789,
119.742

 20, 59.789,
119.742

 10, 59.789,
119.742

 0, 59.789, 119.742

■ 70, 59.789,
119.742

■ 70, 59.789,
119.742

■ 69, 67.486,
119.606

■ 71, 51.075,
120.090

■ 69, 73.723,
119.784

■ 71, 41.696,
120.559

■ 69, 78.100,
120.386

■ 72, 31.907,
121.094

■ 68, 80.558,
121.177

■ 73, 21.881,
121.653

■ 74, 11.734,
122.214

■ 75, 1.545, 122.787

■ 75, 8.630, 303.262

■ 77, 18.750,
303.751

■ 78, 28.789,
304.204

Harmonies

Complementary

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



70, 59.789, 119.742



40, 68.482, 307.337

Rectangle

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



70, 59.789, 119.742



70, 59.789, 169.742



70, 59.789, 299.742



70, 59.789, 349.742

Sweetspot

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



70, 59.790, 119.744



93, 22.737, 121.835



53, 42.995, 50.355



49, 15.780, 121.672



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, 59.790, 119.744



88, 85.480, 119.629



67, 68.469, 135.561



38, 5.766, 122.336



59, 71.168, 120.984



9, 16.152, 126.979

Inverse Universe

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



40, 68.482, 307.337



44, 101.723, 308.333



47, 69.584, 321.745



36, 5.870, 303.350



20, 89.190, 308.830



1, 15.628, 299.686

Previews

White Background



This preview shows how the CIELCh color 70, 59.789, 119.742 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, 59.789, 119.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

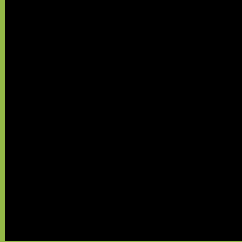
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 59.789, 119.742

Background



This preview shows how black text looks on a background with the CIELCh color 70, 59.789, 119.742.



This preview shows how white text looks on a background with the CIELCh color 70, 59.789, 119.742.

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

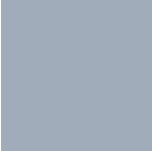
70, 59.789, 119.742

Protanopia

70, 54.552, 95.686

Deuteranopia

70, 50.945, 79.736



Tritanopia
70, 8.535, 263.497

Trichromacy



Original Color
70, 59.789, 119.742

Protanomaly
70, 55.445, 105.492

Deuteranomaly
69, 50.494, 95.913

Tritanomaly
70, 19.137, 132.532

Monochromacy



Original Color
70, 59.789, 119.742

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 23.087, 122.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 59.789, 119.742 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(147, 184, 71)` looks like.

```
.text, #text, p{  
    color:rgb(147, 184, 71)  
}
```

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(147, 184, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 184, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 59.789, 119.742 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(147, 184, 71) }
```

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

```
.border{ border-color:rgb(147, 184, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 184, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 184, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 184, 71);  
box-shadow:4px 4px 4px 4px rgb(147, 184,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 59.789, 119.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 184, 71) }
```

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

```
.background{ background-color: rgb(147,  
184, 71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor