

Converting Colors

CIELCh(70, 58.099, 116.917)

Have a look what the booklet for
CIELCh(70, 58.099, 116.917)
contains.

CIELCh(70, 58.123, 116.911)	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, 58.123, 116.911)

Conversions

Conversions Part 1

Format	Color
Hex	99B647
RGB	153, 182, 71
RGB Percent	60%, 71%, 28%
CMY	0.3995, 0.2858, 0.7211
CMYK	0.16, 0.00, 0.61, 0.29
HSL	76°, 44%, 50%
HSV	76°, 61%, 71%
XYZ	31.0565, 40.7494, 12.2106
YIQ	160.6750, 18.3470, -40.6690

Conversions

Conversions Part 2

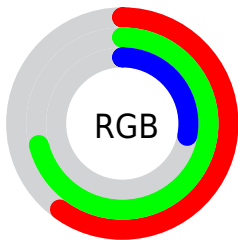
Format	Color
RYB	71, 182, 100
Decimal	10073671
CIELab	70.00, -26.31, 51.83
CIELCh	70, 58.123, 116.911
Yxy	40.7494, 0.3696, 0.4850
Android (android.graphics.Color)	4288263751 (0xFF99B647)
YUV	160.6750, -44.2098, -6.7310
Hunter-Lab	63.8353, -24.8696, 33.3436

Details

The CIELCh color **70, 58.123, 116.911** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **39, 67.422, 305.565**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 58.062, 117.141**, and **50, 58.009, 116.881** is the 20% darker color. If you saturate the color by 10%, you get **70, 65.670, 116.693**, and if you desaturate by 10%, it is **71, 49.576, 117.326**.

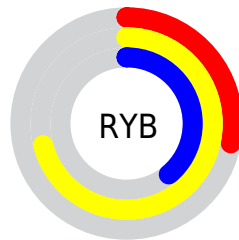
Distribution



Red (60%)

Green (71%)

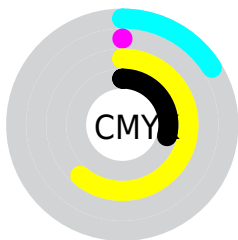
Blue (28%)



Red (28%)

Yellow (71%)

Blue (39%)

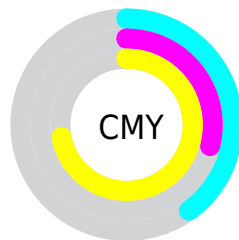


Cyan (16%)

Magenta (0%)

Yellow (61%)

Black (29%)



Cyan (40%)


Magenta (29%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 58.123, 116.911 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, 58.123, 116.911 by changing the saturation by 10% instead.


 70, 58.123,
116.911


 70, 58.123,
116.911


 100, 58.123,
116.911


 60, 58.123,
116.911


 90, 58.123,
116.911

 50, 58.123,
116.911

 40, 58.123,
116.911

 30, 58.123,
116.911

 20, 58.123,
116.911

 10, 58.123,
116.911

 0, 58.123, 116.911

70, 58.123,
116.911

70, 58.123,
116.911

70, 65.670,
116.693

71, 49.576,
117.326

69, 71.777,
116.764

71, 40.375,
117.855

69, 76.037,
117.224

72, 30.770,
118.447

68, 78.484,
117.940

72, 20.928,
119.064

73, 10.959,
119.683

74, 0.941, 120.316

75, 9.075, 300.856

76, 19.050,
301.405

■ 77, 28.959,
301.919

Harmonies

Complementary

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



70, 58.123, 116.911



39, 67.422, 305.565

Rectangle

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



70, 58.123, 116.911



70, 58.123, 166.911



70, 58.123, 296.911



70, 58.123, 346.911

Sweetspot

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



70, 58.124, 116.913



92, 22.303, 119.228



51, 43.441, 44.562



49, 15.610, 119.048



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, 58.124, 116.913



88, 82.697, 116.679



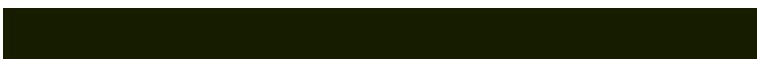
67, 66.206, 133.996



39, 5.709, 119.781



59, 69.791, 117.778



9, 15.877, 124.021

Inverse Universe

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



39, 67.422, 305.565



43, 100.136, 306.849



45, 68.210, 319.657



36, 5.819, 300.923



19, 90.199, 307.969



1, 15.545, 297.814

Previews

White Background



This preview shows how the CIELCh color 70, 58.123, 116.911 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, 58.123, 116.911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

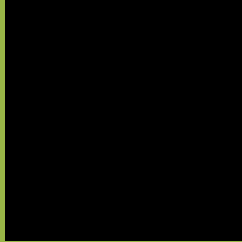
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 58.123, 116.911

Background



This preview shows how black text looks on a background with the CIELCh color 70, 58.123, 116.911.



This preview shows how white text looks on a background with the CIELCh color 70, 58.123, 116.911.

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

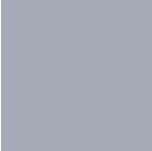
70, 58.123, 116.911

Protanopia

70, 54.120, 95.664

Deuteranopia

70, 50.945, 79.736



Tritanopia
70, 7.314, 276.568

Trichromacy



Original Color
70, 58.123, 116.911

Protanomaly
70, 54.600, 103.719

Deuteranomaly
69, 50.327, 94.345

Tritanomaly
70, 18.280, 125.996

Monochromacy



Original Color
70, 58.123, 116.911

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 22.800, 119.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 58.123, 116.911 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, 182, 71)` looks like.

```
.text, #text, p{  
    color:rgb(153, 182, 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(153, 182, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 182, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 58.123, 116.911 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, 182, 71) }
```

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

```
.border{ border-color:rgb(153, 182, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 182, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 182, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 182, 71);  
box-shadow:4px 4px 4px 4px rgb(153, 182,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 58.123, 116.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 182, 71) }
```

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

```
.background{ background-color: rgb(153,  
182, 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