

Converting Colors

CIELCh(70, 59.786, 109.761)

Have a look what the booklet for
CIELCh(70, 59.786, 109.761)
contains.

CIELCh(70, 59.856, 109.703)	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, 59.856, 109.703)

Conversions

Conversions Part 1

Format	Color
Hex	A6B33D
RGB	166, 179, 61
RGB Percent	65%, 70%, 24%
CMY	0.3485, 0.2975, 0.7603
CMYK	0.07, 0.00, 0.66, 0.30
HSL	67°, 49%, 47%
HSV	67°, 66%, 70%
XYZ	32.7437, 40.7494, 10.5721
YIQ	161.6610, 30.1300, -39.4540

Conversions

Conversions Part 2

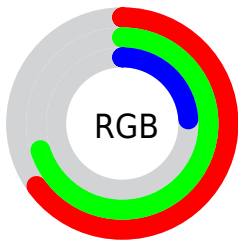
Format	Color
RYB	61, 179, 74
Decimal	10924861
CIELab	70.00, -20.18, 56.35
CIELCh	70, 59.856, 109.703
Yxy	40.7494, 0.3895, 0.4847
Android (android.graphics.Color)	4289114941 (0xFFA6B33D)
YUV	161.6610, -49.6259, 3.8053
Hunter-Lab	63.8353, -20.1518, 34.8654

Details

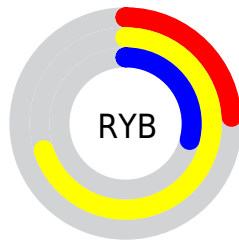
The CIELCh color **70, 59.856, 109.703** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **34, 72.529, 302.769**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 60.246, 109.965**, and **50, 58.014, 109.867** is the 20% darker color. If you saturate the color by 10%, you get **70, 66.371, 109.343**, and if you desaturate by 10%, it is **70, 52.113, 110.253**.

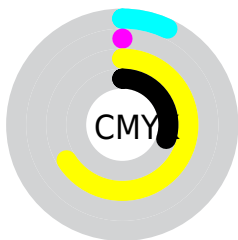
Distribution



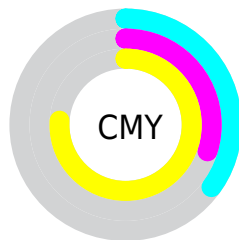
- Red (65%)
- Green (70%)
- Blue (24%)



- Red (24%)
- Yellow (70%)
- Blue (29%)



- Cyan (7%)
- Magenta (0%)
- Yellow (66%)
- Black (30%)





- Cyan (35%)
- Magenta (30%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 59.856, 109.703 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, 59.856, 109.703 by changing the saturation by 10% instead.


 70, 59.856,
109.703


 70, 59.856,
109.703


 100, 59.856,
109.703


 60, 59.856,
109.703


 90, 59.856,
109.703

 50, 59.856,
109.703

 40, 59.856,
109.703

 30, 59.856,
109.703

 20, 59.856,
109.703

 10, 59.856,
109.703

 0, 59.856, 109.703

70, 59.856,
109.703

70, 59.856,
109.703

70, 66.371,
109.343

70, 52.113,
110.253

70, 71.209,
109.234

71, 43.543,
110.925

69, 74.083,
109.430

71, 34.446,
111.671

69, 74.981,
109.552

72, 25.026,
112.456

72, 15.420,
113.253

73, 5.714, 114.044

73, 4.031, 294.828

74, 13.775,
295.572

■ 75, 23.490,
296.288

Harmonies

Complementary

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



70, 59.856, 109.703



34, 72.529, 302.769

Rectangle

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



70, 59.856, 109.703



70, 59.856, 159.703



70, 59.856, 289.703



70, 59.856, 339.703

Sweetspot

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



70, 59.857, 109.705



91, 23.939, 112.897



45, 51.354, 34.293



48, 16.444, 112.675



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 59.857, 109.705



88, 83.456, 109.259



66, 66.801, 129.631



38, 5.493, 113.774



60, 66.737, 109.472



8, 13.415, 116.526

Inverse Universe

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



34, 72.529, 302.769



36, 107.212, 304.974



40, 71.627, 315.186



35, 5.611, 295.283



18, 90.741, 306.730



1, 13.350, 293.522

Previews

White Background



This preview shows how the CIELCh color 70, 59.856, 109.703 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, 59.856, 109.703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

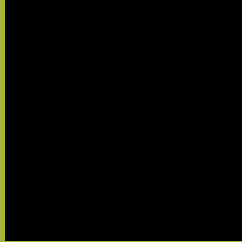
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 59.856, 109.703

Background



This preview shows how black text looks on a background with the CIELCh color 70, 59.856, 109.703.



This preview shows how white text looks on a background with the CIELCh color 70, 59.856, 109.703.

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, 59.856, 109.703

Protanopia

70, 57.964, 95.382

Deuteranopia

70, 55.690, 80.352



Tritanopia
70, 8.073, 318.165

Trichromacy



Original Color
70, 59.856, 109.703

Protanomaly
70, 58.088, 100.769

Deuteranomaly
70, 55.070, 91.393

Tritanomaly
70, 19.028, 105.801

Monochromacy



Original Color
70, 59.856, 109.703

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 23.474, 111.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 59.856, 109.703 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(166, 179, 61)` looks like.

```
.text, #text, p{  
    color:rgb(166, 179, 61)  
}
```

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(166, 179, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 179, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 59.856, 109.703 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(166, 179, 61) }
```

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

```
.border{ border-color:rgb(166, 179, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 179, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 179, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 179, 61);  
box-shadow:4px 4px 4px 4px rgb(166, 179,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 59.856, 109.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 179, 61) }
```

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

```
.background{ background-color: rgb(166,  
179, 61) }
```

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