

Converting Colors

CIELCh(66, 59.903, 109.011)

Have a look what the booklet for
CIELCh(66, 59.903, 109.011)
contains.

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Color

CIELCh(66, 60.072, 109.047)

Conversions

Conversions Part 1

Format	Color
Hex	9CA831
RGB	156, 168, 49
RGB Percent	61%, 66%, 19%
CMY	0.3880, 0.3409, 0.8076
CMYK	0.07, 0.00, 0.71, 0.34
HSL	66°, 55%, 43%
HSV	66°, 71%, 66%
XYZ	28.2917, 35.3238, 8.2399
YIQ	150.8460, 31.0470, -39.5530

Conversions

Conversions Part 2

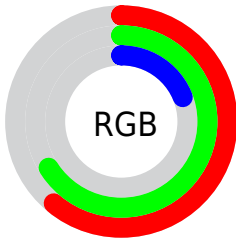
Format	Color
RYB	49, 168, 61
Decimal	10266673
CIELab	66.00, -19.60, 56.78
CIElCh	66, 60.072, 109.047
Yxy	35.3238, 0.3937, 0.4916
Android (android.graphics.Color)	4288456753 (0xFF9CA831)
YUV	150.8460, -50.2101, 4.5201
Hunter-Lab	59.4338, -19.0395, 33.3837

Details

The CIELCh color **66, 60.072, 109.047** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **29, 74.268, 303.350**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 60.020, 109.074**, and **46, 54.751, 110.389** is the 20% darker color. If you saturate the color by 10%, you get **66, 65.568, 108.773**, and if you desaturate by 10%, it is **66, 53.217, 109.536**.

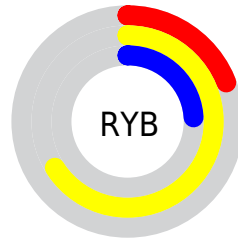
Distribution



Red (61%)

Green (66%)

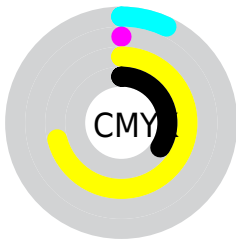
Blue (19%)



Red (19%)

Yellow (66%)

Blue (24%)

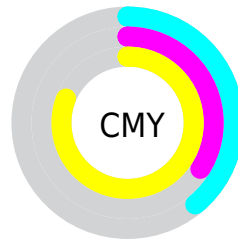


Cyan (7%)

Magenta (0%)

Yellow (71%)

Black (34%)



Cyan (39%)


Magenta (34%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 60.072, 109.047 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 66, 60.072, 109.047 by changing the saturation by 10% instead.


 66, 60.072,
109.047


 66, 60.072,
109.047


 100, 60.072,
109.047


 56, 60.072,
109.047


 86, 60.072,
109.047

 46, 60.072,
109.047

 96, 60.072,
109.047

 36, 60.072,
109.047

 26, 60.072,
109.047

 16, 60.072,
109.047

 6, 60.072, 109.047

 0, 60.072, 109.047

■ 66, 60.072,
109.047

■ 66, 60.072,
109.047

■ 66, 65.568,
108.773

■ 66, 53.217,
109.536

■ 66, 69.314,
108.769

■ 67, 45.413,
110.168

■ 65, 71.427,
108.971

■ 67, 36.990,
110.894

■ 67, 28.181,
111.674

■ 68, 19.139,
112.477

■ 68, 9.968, 113.282

■ 69, 0.735, 114.048

■ 69, 8.516, 294.853

■ 70, 17.752,
295.594

Harmonies

Complementary

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



66, 60.072, 109.047



29, 74.268, 303.350

Rectangle

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



66, 60.072, 109.047



66, 60.072, 159.047



66, 60.072, 289.047



66, 60.072, 339.047

Sweetspot

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



66, 60.072, 109.049



86, 23.984, 112.430



41, 53.005, 35.204



45, 16.189, 112.218



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



66, 60.072, 109.049



84, 82.864, 108.734



62, 67.282, 129.564



35, 5.228, 113.403



58, 65.017, 108.909



6, 9.612, 115.571

Inverse Universe

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



29, 74.268, 303.350



32, 108.942, 305.576



36, 72.415, 315.264



33, 5.340, 294.926



17, 88.566, 306.695



1, 9.583, 293.590

Previews

White Background



This preview shows how the CIELCh color 66, 60.072, 109.047 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 66, 60.072, 109.047 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 66, 60.072, 109.047

Background



This preview shows how black text looks on a background with the CIELCh color 66, 60.072, 109.047.



This preview shows how white text looks on a background with the CIELCh color 66, 60.072, 109.047.

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


66, 60.072, 109.047

Protanopia

66, 58.571, 95.457

Deuteranopia

66, 56.166, 81.319



Tritanopia
66, 7.685, 320.090

Trichromacy



Original Color
66, 60.072, 109.047

Protanomaly
66, 58.726, 100.871

Deuteranomaly
66, 55.757, 91.959

Tritanomaly
66, 19.795, 105.672

Monochromacy



Original Color
66, 60.072, 109.047

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 23.746, 111.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 60.072, 109.047 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(156, 168, 49)` looks like.

```
.text, #text, p{  
    color:rgb(156, 168, 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(156, 168, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 168, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 60.072, 109.047 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(156, 168, 49) }
```

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

```
.border{ border-color:rgb(156, 168, 49) }
```

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

Here you see how a box with a 4 pixel rgb(156, 168, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 168, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 168, 49);  
box-shadow:4px 4px 4px 4px rgb(156, 168,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 60.072, 109.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 168, 49) }
```

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

```
.background{ background-color: rgb(156,  
168, 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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