

Converting Colors

CIELCh(63, 67.861, 104.811)

Have a look what the booklet for
CIELCh(63, 67.861, 104.811)
contains.

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Color

CIELCh(63, 67.861, 104.811)

Conversions

Conversions Part 1

Format	Color
Hex	9A9F02
RGB	154, 159, 2
RGB Percent	60%, 62%, 1%
CMY	0.3969, 0.3772, 0.9938
CMYK	0.03, 0.00, 0.99, 0.38
HSL	62°, 98%, 31%
HSV	62°, 99%, 62%
XYZ	25.6638, 31.5869, 4.7896
YIQ	139.6070, 47.4170, -49.8870

Conversions

Conversions Part 2

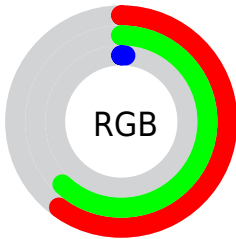
Format	Color
R _Y B	2, 159, 7
Decimal	10133250
CIE Lab	63.00, -17.35, 65.61
CIE LCh	63, 67.861, 104.811
Yxy	31.5869, 0.4137, 0.5091
Android (android.graphics.Color)	4288323330 (0xFF9A9F02)
YUV	139.6070, -67.8403, 12.6227
Hunter-Lab	56.2022, -16.8449, 34.2889

Details

The CIELCh color **63, 67.861, 104.811** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **18, 93.211, 306.292**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 67.520, 104.637**, and **43, 51.777, 108.253** is the 20% darker color. If you saturate the color by 10%, you get **63, 68.082, 104.805**, and if you desaturate by 10%, it is **63, 65.512, 104.913**.

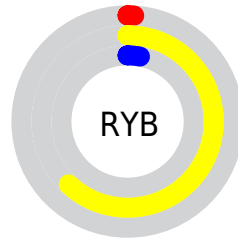
Distribution



Red (60%)

Green (62%)

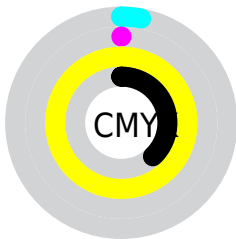
Blue (1%)



Red (1%)

Yellow (62%)

Blue (3%)

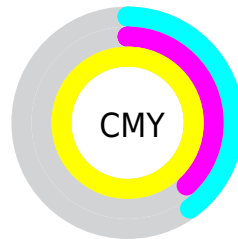


Cyan (3%)

Magenta (0%)

Yellow (99%)

Black (38%)



Cyan (40%)


Magenta (38%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 67.861, 104.811 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 63, 67.861, 104.811 by changing the saturation by 10% instead.


 63, 67.861,
104.811


 63, 67.861,
104.811


 100, 67.861,
104.811


 53, 67.861,
104.811


 83, 67.861,
104.811

 43, 67.861,
104.811

 93, 67.861,
104.811

 33, 67.861,
104.811

 23, 67.861,
104.811

 13, 67.861,
104.811

 3, 67.861, 104.811

 0, 67.861, 104.811

■ 63, 67.861,
104.811

■ 63, 67.861,
104.811

■ 63, 68.082,
104.805

■ 63, 65.512,
104.913

■ 63, 61.616,
105.203

■ 63, 56.112,
105.696

■ 63, 49.389,
106.348

■ 64, 41.828,
107.113

■ 64, 33.726,
107.951

■ 64, 25.289,
108.831

■ 65, 16.652,

109.731

■ 65, 7.906, 110.629

Harmonies

Complementary

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



63, 67.861, 104.811



18, 93.211, 306.292

Rectangle

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



63, 67.861, 104.811



63, 67.861, 154.811



63, 67.861, 284.811



63, 67.861, 334.811

Sweetspot

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



63, 67.861, 104.813



81, 32.371, 108.691



33, 72.304, 39.651



43, 22.192, 108.339



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



63, 67.861, 104.813



80, 82.749, 104.842



58, 76.504, 128.318



33, 4.950, 110.607



57, 62.984, 104.787



4, 6.509, 111.732

Inverse Universe

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



18, 93.211, 306.292



25, 114.007, 306.369



25, 86.729, 312.448



31, 5.056, 292.318



16, 86.714, 306.416



0, 6.509, 291.370

Previews

White Background



This preview shows how the CIELCh color 63, 67.861, 104.811 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 63, 67.861, 104.811 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 63, 67.861, 104.811

Background



This preview shows how black text looks on a background with the CIELCh color 63, 67.861, 104.811.

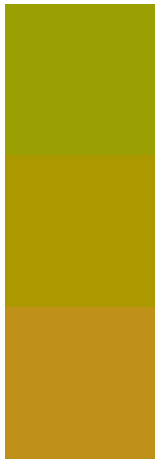


This preview shows how white text looks on a background with the CIELCh color 63, 67.861, 104.811.

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
63, 67.861, 104.811

Protanopia
63, 66.815, 95.246

Deuteranopia
63, 63.487, 83.058



Tritanopia
63, 8.996, 337.204

Trichromacy



Original Color
63, 67.861, 104.811

Protanomaly
63, 66.836, 98.894

Deuteranomaly
63, 64.275, 91.376

Tritanomaly
63, 27.876, 99.074

Monochromacy



Original Color
63, 67.861, 104.811

Achromatopsia
58, 0.007, 296.813

Achromatomaly
59, 31.530, 108.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 67.861, 104.811 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(154, 159, 2)` looks like.

```
.text, #text, p{  
    color:rgb(154, 159, 2)  
}
```

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(154, 159, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 159, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 67.861, 104.811 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(154, 159, 2) }
```

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

```
.border{ border-color:rgb(154, 159, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 159, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 159, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 159, 2);  
box-shadow:4px 4px 4px 4px rgb(154, 159,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 67.861, 104.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 159, 2) }
```

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

```
.background{ background-color: rgb(154,  
159, 2) }
```

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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