

Converting Colors

CIELCh(63, 67.797, 102.871)

Have a look what the booklet for
CIELCh(63, 67.797, 102.871)
contains.

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Color

CIELCh(63, 67.766, 102.852)

Conversions

Conversions Part 1

Format	Color
Hex	9E9E00
RGB	158, 158, 0
RGB Percent	62%, 62%, 0%
CMY	0.3817, 0.3815, 1.0000
CMYK	0.00, 0.00, 1.00, 0.38
HSL	60°, 100%, 31%
HSV	60°, 100%, 62%
XYZ	26.2094, 31.5869, 4.6961
YIQ	139.9880, 50.7180, -49.1380

Conversions

Conversions Part 2

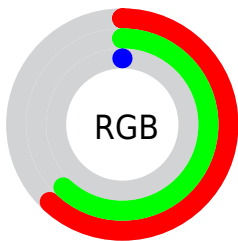
Format	Color
RYB	0, 158, 0
Decimal	10395136
CIELab	63.00, -15.07, 66.07
CIELCh	63, 67.766, 102.852
Yxy	31.5869, 0.4194, 0.5055
Android (android.graphics.Color)	4288585216 (0xFF9E9E00)
YUV	139.9880, -69.0141, 15.7965
Hunter-Lab	56.2022, -15.1122, 34.3874

Details

The CIELCh color **63, 67.766, 102.852** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **18, 93.443, 306.288**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 67.548, 102.800**, and **43, 51.230, 105.597** is the 20% darker color. If you saturate the color by 10%, you get **63, 67.673, 102.864**, and if you desaturate by 10%, it is **63, 65.405, 103.094**.

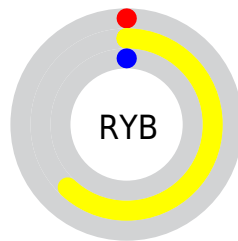
Distribution



Red (62%)

Green (62%)

Blue (0%)



Red (0%)

Yellow (62%)

Blue (0%)

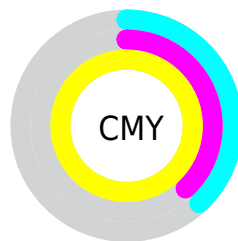


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (38%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 67.766, 102.852 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, 67.766, 102.852 by changing the saturation by 10% instead.


 63, 67.766,
102.852


 63, 67.766,
102.852


 100, 67.766,
102.852


 53, 67.766,
102.852


 83, 67.766,
102.852

 43, 67.766,
102.852

 93, 67.766,
102.852

 33, 67.766,
102.852

 23, 67.766,
102.852

 13, 67.766,
102.852

 3, 67.766, 102.852

 0, 67.766, 102.852

■ 63, 67.766,
102.852

■ 63, 67.766,
102.852

■ 63, 67.673,
102.864

■ 63, 65.405,
103.094

■ 63, 61.712,
103.474

■ 63, 56.387,
104.032

■ 63, 49.808,
104.734

■ 63, 42.359,
105.543

■ 64, 34.347,
106.424

■ 64, 25.985,
107.349

■ 64, 17.416,

108.294

■ 65, 8.731, 109.240

Harmonies

Complementary

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



63, 67.766, 102.852



18, 93.443, 306.288

Rectangle

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



63, 67.766, 102.852



63, 67.766, 152.852



63, 67.766, 282.852



63, 67.766, 332.852

Sweetspot

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



63, 67.673, 102.864



81, 32.033, 107.296



32, 72.659, 39.655



42, 21.739, 106.933



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



63, 67.673, 102.864



80, 81.911, 102.864



58, 76.031, 127.845



33, 4.947, 109.311



57, 62.932, 102.863



4, 6.504, 110.186

Inverse Universe

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



18, 93.443, 306.288



25, 113.103, 306.288



24, 87.025, 312.034



30, 5.054, 291.120



15, 86.896, 306.288



0, 6.505, 290.185

Previews

White Background



This preview shows how the CIELCh color 63, 67.766, 102.852 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, 67.766, 102.852 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, 67.766, 102.852

Background



This preview shows how black text looks on a background with the CIELCh color 63, 67.766, 102.852.



This preview shows how white text looks on a background with the CIELCh color 63, 67.766, 102.852.

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, 67.766, 102.852

Protanopia

63, 66.815, 95.246

Deuteranopia

63, 63.733, 83.106



Tritanopia
63, 10.188, 343.374

Trichromacy



Original Color
63, 67.766, 102.852

Protanomaly
63, 67.055, 98.095

Deuteranomaly
63, 64.680, 90.580

Tritanomaly
62, 28.223, 95.546

Monochromacy



Original Color
63, 67.766, 102.852

Achromatopsia
58, 0.007, 296.813

Achromatomaly
59, 31.517, 106.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 67.766, 102.852 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(158, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 158, 0)  
}
```

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(158, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 158, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 67.766, 102.852 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(158, 158, 0) }
```

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

```
.border{ border-color:rgb(158, 158, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 158,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 67.766, 102.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 158, 0) }
```

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

```
.background{ background-color: rgb(158,  
158, 0) }
```

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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