

Converting Colors

CIELCh(63, 67.781, 84.458)

Have a look what the booklet for
CIELCh(63, 67.781, 84.458) contains.

CIELCh(63, 67.770, 84.671)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 67.770, 84.671)

Conversions

Conversions Part 1

Format	Color
Hex	BF9200
RGB	191, 146, 0
RGB Percent	75%, 57%, 0%
CMY	0.2514, 0.4278, 1.0000
CMYK	0.00, 0.24, 1.00, 0.25
HSL	46°, 100%, 37%
HSV	46°, 100%, 75%
XYZ	31.7182, 31.5869, 4.4188
YIQ	142.8110, 73.6860, -35.8660

Conversions

Conversions Part 2

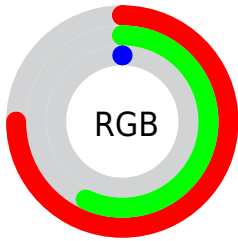
Format	Color
RYB	59, 191, 0
Decimal	12554752
CIELab	63.00, 6.29, 67.48
CIElCh	63, 67.770, 84.671
Yxy	31.5869, 0.4683, 0.4664
Android (android.graphics.Color)	4290744832 (0xFFBF9200)
YUV	142.8110, -70.4058, 42.2618
Hunter-Lab	56.2022, 2.3840, 34.6800

Details

The CIELCh color **63, 67.770, 84.671** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **28, 90.523, 301.241**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 67.752, 84.770**, and **43, 51.192, 82.016** is the 20% darker color. If you saturate the color by 10%, you get **63, 67.739, 84.669**, and if you desaturate by 10%, it is **64, 65.456, 86.404**.

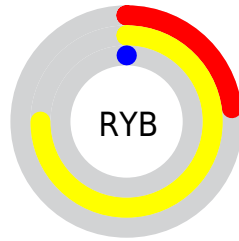
Distribution



Red (75%)

Green (57%)

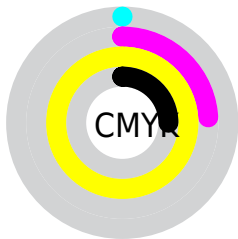
Blue (0%)



Red (23%)

Yellow (75%)

Blue (0%)

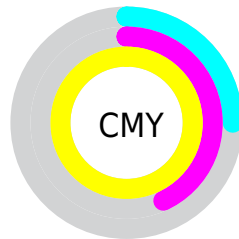


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (43%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 67.770, 84.671 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, 67.770, 84.671 by changing the saturation by 10% instead.

 63, 67.770, 84.671

 63, 67.770, 84.671

 100, 67.770,
84.671

 53, 67.770, 84.671

 83, 67.770, 84.671

 43, 67.770, 84.671

 93, 67.770, 84.671

 33, 67.770, 84.671

 23, 67.770, 84.671

 13, 67.770, 84.671

 3, 67.770, 84.671

 0, 67.770, 84.671

 63, 67.770, 84.671

 63, 67.770, 84.671

 63, 67.739, 84.669

 64, 65.456, 86.404

65, 61.255, 87.961

67, 55.273, 89.382

68, 48.164, 90.733

70, 40.431, 92.045

71, 32.398, 93.330

72, 24.253, 94.588

74, 16.103, 95.816

76, 8.006, 97.001

Harmonies

Complementary

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



63, 67.770, 84.671



28, 90.523, 301.241

Rectangle

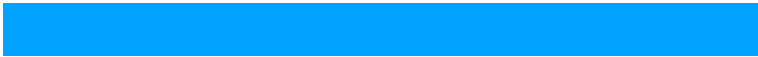
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 67.770, 84.671



63, 67.770, 134.671



63, 67.770, 264.671



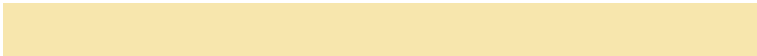
63, 67.770, 314.671

Sweetspot

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



63, 67.739, 84.669



91, 29.938, 94.529



40, 72.516, 25.614



48, 20.614, 93.995



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



63, 67.739, 84.669



80, 82.193, 84.330



72, 81.036, 117.403



39, 4.493, 97.076



53, 58.990, 84.966



8, 12.355, 90.182

Inverse Universe

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



28, 90.523, 301.241



37, 111.597, 301.692



25, 105.310, 307.717



37, 4.532, 279.337



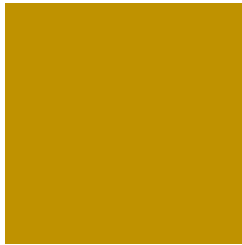
23, 77.696, 300.823



2, 14.559, 282.932

Previews

White Background



This preview shows how the CIELCh color 63, 67.770, 84.671 looks on a white background.

Color Contrast Check

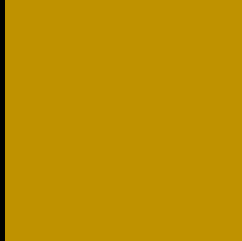
Large Text (above 18pt) WCAG AA × Fail

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 63, 67.770, 84.671 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, 67.770, 84.671

Background



This preview shows how black text looks on a background with the CIELCh color 63, 67.770, 84.671.

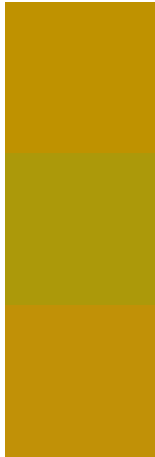


This preview shows how white text looks on a background with the CIELCh color 63, 67.770, 84.671.

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, 67.770, 84.671

Protanopia

63, 65.412, 95.239

Deuteranopia

63, 67.001, 83.295



Tritanopia
63, 25.484, 9.701

Trichromacy



Original Color
63, 67.770, 84.671

Protanomaly
63, 65.912, 91.073

Deuteranomaly
63, 67.246, 83.735

Tritanomaly
63, 36.686, 64.987

Monochromacy



Original Color
63, 67.770, 84.671

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 30.348, 93.263

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 67.770, 84.671 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(191, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 146, 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(191, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 146, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 67.770, 84.671 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(191, 146, 0) }
```

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

```
.border{ border-color:rgb(191, 146, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 146, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 146,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 67.770, 84.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 146, 0) }
```

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

```
.background{ background-color: rgb(191,  
146, 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](#).

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