

Converting Colors

CIELCh(63, 67.335, 89.426)

Have a look what the booklet for
CIELCh(63, 67.335, 89.426) contains.

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Color

CIELCh(63, 67.050, 89.107)

Conversions

Conversions Part 1

Format	Color
Hex	B79500
RGB	183, 149, 0
RGB Percent	72%, 58%, 0%
CMY	0.2821, 0.4155, 0.9995
CMYK	0.00, 0.19, 1.00, 0.28
HSL	49°, 100%, 36%
HSV	49°, 100%, 72%
XYZ	30.2997, 31.5869, 4.5033
YIQ	142.1800, 68.0930, -39.1310

Conversions

Conversions Part 2

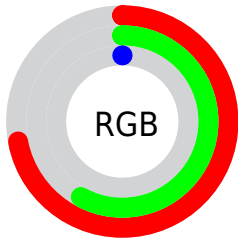
Format	Color
RYB	42, 183, 0
Decimal	12031232
CIELab	63.00, 1.04, 67.04
CIELCh	63, 67.050, 89.107
Yxy	31.5869, 0.4564, 0.4758
Android (android.graphics.Color)	4290221312 (0xFFB79500)
YUV	142.1800, -70.0947, 35.7991
Hunter-Lab	56.2022, -2.1213, 34.5909

Details

The CIELCh color **63, 67.050, 89.107** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **25, 92.505, 302.854**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 67.065, 89.269**, and **43, 50.365, 87.767** is the 20% darker color. If you saturate the color by 10%, you get **63, 67.063, 89.100**, and if you desaturate by 10%, it is **64, 64.912, 90.478**.

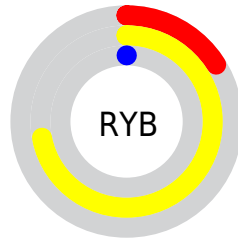
Distribution



Red (72%)

Green (58%)

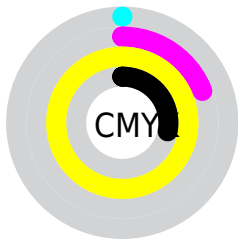
Blue (0%)



Red (16%)

Yellow (72%)

Blue (0%)

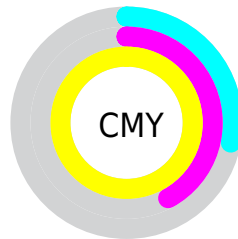


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 67.050, 89.107 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, 67.050, 89.107 by changing the saturation by 10% instead.

■ 63, 67.050, 89.107

■ 63, 67.050, 89.107

■ 100, 67.050,
89.107

■ 53, 67.050, 89.107

■ 83, 67.050, 89.107

■ 43, 67.050, 89.107

■ 93, 67.050, 89.107

■ 33, 67.050, 89.107

■ 23, 67.050, 89.107

■ 13, 67.050, 89.107

■ 3, 67.050, 89.107

■ 0, 67.050, 89.107

■ 63, 67.050, 89.107

■ 63, 67.050, 89.107

■ 63, 67.063, 89.100

■ 64, 64.912, 90.478

65, 60.943, 91.767

66, 55.200, 93.003

67, 48.279, 94.220

68, 40.663, 95.430

69, 32.675, 96.632

71, 24.515, 97.821

72, 16.299, 98.988

73, 8.093, 100.122

Harmonies

Complementary

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



63, 67.050, 89.107



25, 92.505, 302.854

Rectangle

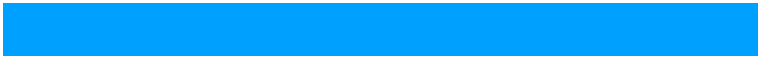
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 67.050, 89.107



63, 67.050, 139.107



63, 67.050, 269.107



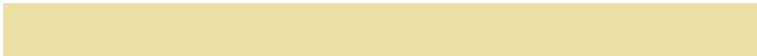
63, 67.050, 319.107

Sweetspot

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



63, 67.049, 89.109



89, 30.327, 97.755



38, 72.391, 29.380



47, 20.857, 97.257



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



63, 67.049, 89.109



80, 81.303, 88.838



68, 79.664, 119.863



38, 4.627, 100.187



54, 59.530, 89.297



8, 11.589, 95.717

Inverse Universe

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



25, 92.505, 302.854



34, 113.889, 303.266



24, 101.196, 308.332



36, 4.684, 282.347



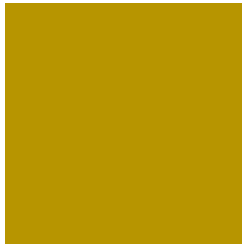
21, 81.209, 302.552



2, 13.314, 284.121

Previews

White Background



This preview shows how the CIELCh color 63, 67.050, 89.107 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, 67.050, 89.107 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, 67.050, 89.107

Background



This preview shows how black text looks on a background with the CIELCh color 63, 67.050, 89.107.



This preview shows how white text looks on a background with the CIELCh color 63, 67.050, 89.107.

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, 67.050, 89.107

Protanopia

63, 65.688, 95.241

Deuteranopia

63, 65.972, 83.112



Tritanopia
63, 21.427, 6.754

Trichromacy



Original Color
63, 67.050, 89.107

Protanomaly
63, 66.187, 93.195

Deuteranomaly
63, 66.163, 85.229

Tritanomaly
63, 33.893, 70.870

Monochromacy



Original Color
63, 67.050, 89.107

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 30.978, 96.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 67.050, 89.107 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(183, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 149, 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(183, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 149, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 67.050, 89.107 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(183, 149, 0) }
```

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

```
.border{ border-color:rgb(183, 149, 0) }
```

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

Here you see how a box with a 4 pixel rgb(183, 149, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 149,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 67.050, 89.107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 149, 0) }
```

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

```
.background{ background-color: rgb(183,  
149, 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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