

Converting Colors

CIELCh(64, 66.707, 87.169)

Have a look what the booklet for
CIELCh(64, 66.707, 87.169) contains.

CIELCh(64, 66.638, 87.129)	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(64, 66.638, 87.129)

Conversions

Conversions Part 1

Format	Color
Hex	BD960B
RGB	189, 150, 11
RGB Percent	74%, 59%, 4%
CMY	0.2574, 0.4105, 0.9578
CMYK	0.00, 0.21, 0.94, 0.26
HSL	47°, 89%, 39%
HSV	47°, 94%, 74%
XYZ	32.0911, 32.8017, 4.9492
YIQ	145.8150, 67.8630, -34.9610

Conversions

Conversions Part 2

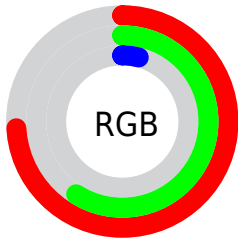
Format	Color
RYB	61, 189, 11
Decimal	12424715
CIELab	64.00, 3.34, 66.55
CIELCh	64, 66.638, 87.129
Yxy	32.8017, 0.4595, 0.4697
Android (android.graphics.Color)	4290614795 (0xFFBD960B)
YUV	145.8150, -66.4638, 37.8732
Hunter-Lab	57.2727, -0.2100, 34.9674

Details

The CIELCh color **64, 66.638, 87.129** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **29, 86.719, 300.371**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 66.585, 87.370**, and **44, 51.489, 85.225** is the 20% darker color. If you saturate the color by 10%, you get **63, 67.772, 86.207**, and if you desaturate by 10%, it is **65, 63.473, 88.671**.

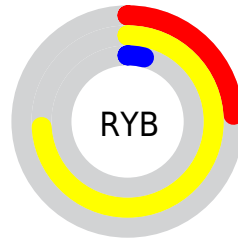
Distribution



Red (74%)

Green (59%)

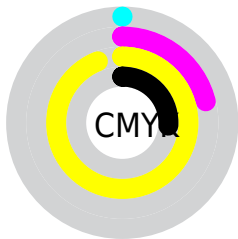
Blue (4%)



Red (24%)

Yellow (74%)

Blue (4%)

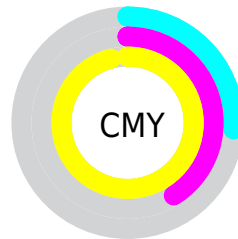


Cyan (0%)

Magenta (21%)

Yellow (94%)

Black (26%)



Cyan (26%)

Magenta (41%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 66.638, 87.129 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 64, 66.638, 87.129 by changing the saturation by 10% instead.

 64, 66.638, 87.129

 64, 66.638, 87.129

 100, 66.638,
87.129

 54, 66.638, 87.129

 84, 66.638, 87.129

 44, 66.638, 87.129

 94, 66.638, 87.129

 34, 66.638, 87.129

 24, 66.638, 87.129

 14, 66.638, 87.129

 4, 66.638, 87.129

 0, 66.638, 87.129

 64, 66.638, 87.129

 64, 66.638, 87.129

 63, 67.772, 86.207

 65, 63.473, 88.671

66, 58.253, 90.069

68, 51.609, 91.395

69, 44.117, 92.684

70, 36.174, 93.951

72, 28.025, 95.198

73, 19.812, 96.418

75, 11.615, 97.606

76, 3.477, 98.731

Harmonies

Complementary

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



64, 66.638, 87.129



29, 86.719, 300.371

Rectangle

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



64, 66.638, 87.129



64, 66.638, 137.129



64, 66.638, 267.129



64, 66.638, 317.129

Sweetspot

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



64, 66.637, 87.132



92, 28.380, 95.916



40, 70.131, 23.985



49, 19.770, 95.380



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



64, 66.637, 87.132



81, 82.717, 85.888



71, 79.460, 117.768



39, 4.574, 98.177



54, 59.373, 86.468



8, 12.632, 91.897

Inverse Universe

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



29, 86.719, 300.371



37, 113.821, 302.295



26, 101.471, 307.885



37, 4.620, 280.407



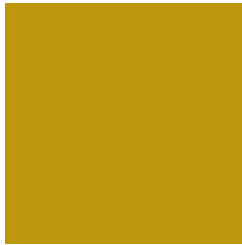
22, 79.325, 301.471



2, 14.757, 283.588

Previews

White Background



This preview shows how the CIELCh color 64, 66.638, 87.129 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 64, 66.638, 87.129 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 64, 66.638, 87.129

Background



This preview shows how black text looks on a background with the CIELCh color 64, 66.638, 87.129.



This preview shows how white text looks on a background with the CIELCh color 64, 66.638, 87.129.

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

64, 66.499, 87.112

Protanopia

64, 65.792, 95.372

Deuteranopia

64, 66.422, 82.914



Tritanopia
64, 23.370, 8.278

Trichromacy



Original Color
64, 66.499, 87.112

Protanomaly
64, 65.885, 92.476

Deuteranomaly
64, 66.537, 84.200

Tritanomaly
64, 33.992, 66.680

Monochromacy



Original Color
64, 66.499, 87.112

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 28.945, 94.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 66.638, 87.129 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(189, 150, 11)` looks like.

```
.text, #text, p{  
    color:rgb(189, 150, 11)  
}
```

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(189, 150, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 150, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 66.638, 87.129 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(189, 150, 11) }
```

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

```
.border{ border-color:rgb(189, 150, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 150, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 150, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 150, 11);  
box-shadow:4px 4px 4px 4px rgb(189, 150,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 66.638, 87.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 150, 11) }
```

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

```
.background{ background-color: rgb(189,  
150, 11) }
```

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