

Converting Colors

CIELCh(66, 67.732, 89.633)

Have a look what the booklet for
CIELCh(66, 67.732, 89.633) contains.

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Color

CIELCh(66, 67.729, 89.583)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BF9D0D |
| RGB | 191, 157, 13 |
| RGB Percent | 75%, 62%, 5% |
| CMY | 0.2500, 0.3835, 0.9472 |
| CMYK | 0.00, 0.18, 0.93, 0.25 |
| HSL | 49°, 87%, 40% |
| HSV | 49°, 93%, 75% |
| XYZ | 33.7149, 35.3238, 5.4378 |
| YIQ | 150.7500, 66.4880, -37.5760 |

Conversions

Conversions Part 2

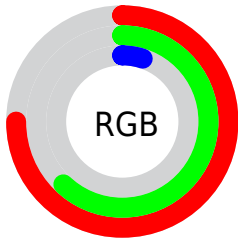
| Format | Color |
|-------------------------------------|--|
| RYB | 55, 191, 13 |
| Decimal | 12557581 |
| CIELab | 66.00, 0.49, 67.73 |
| CIELCh | 66, 67.729, 89.583 |
| Yxy | 35.3238, 0.4527, 0.4743 |
| Android (android.graphics.Color) | 4290747661 (0xFFBF9D0D) |
| YUV | 150.7500, -67.9107, 35.2993 |
| Hunter-Lab | 59.4338, -2.7520, 36.1790 |

Details

The CIELCh color **66, 67.729, 89.583** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **29, 89.070, 301.055**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 67.765, 89.657**, and **46, 52.756, 88.082** is the 20% darker color. If you saturate the color by 10%, you get **65, 69.081, 88.578**, and if you desaturate by 10%, it is **67, 64.328, 90.941**.

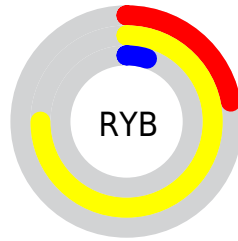
Distribution



Red (75%)

Green (62%)

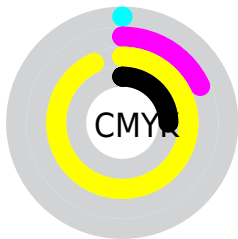
Blue (5%)



Red (22%)

Yellow (75%)

Blue (5%)

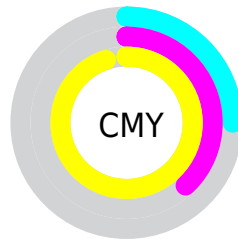


Cyan (0%)

Magenta (18%)

Yellow (93%)

Black (25%)



Cyan (25%)

Magenta (38%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 67.729, 89.583 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 66, 67.729, 89.583 by changing the saturation by 10% instead.

66, 67.729, 89.583

66, 67.729, 89.583

100, 67.729,
89.583

56, 67.729, 89.583

86, 67.729, 89.583

46, 67.729, 89.583

96, 67.729, 89.583

36, 67.729, 89.583

26, 67.729, 89.583

16, 67.729, 89.583

6, 67.729, 89.583

0, 67.729, 89.583

66, 67.729, 89.583

66, 67.729, 89.583

65, 69.081, 88.578

67, 64.328, 90.941

68, 58.898, 92.216

69, 52.060, 93.457

70, 44.368, 94.685

72, 36.210, 95.904

73, 27.827, 97.110

74, 19.360, 98.295

76, 10.892, 99.450

77, 2.467, 100.531

Harmonies

Complementary

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



66, 67.729, 89.583



29, 89.070, 301.055

Rectangle

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



66, 67.729, 89.583



66, 67.729, 139.583



66, 67.729, 269.583



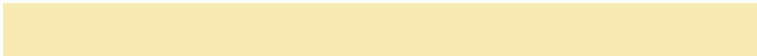
66, 67.729, 319.583

Sweetspot

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



66, 67.728, 89.586



93, 29.131, 97.648



41, 71.311, 25.985



49, 20.280, 97.127



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



66, 67.728, 89.586



82, 83.697, 88.318



71, 80.413, 119.263



39, 4.706, 99.855



55, 60.081, 88.811



9, 13.098, 94.466

Inverse Universe

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



29, 89.070, 301.055



36, 117.152, 303.159



27, 100.989, 308.366



37, 4.762, 282.034



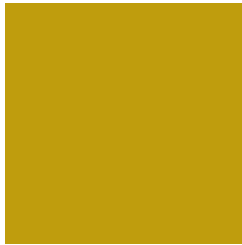
22, 81.799, 302.410



2, 15.077, 284.600

Previews

White Background



This preview shows how the CIELCh color 66, 67.729, 89.583 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 66, 67.729, 89.583 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 66, 67.729, 89.583

Background



This preview shows how black text looks on a background with the CIELCh color 66, 67.729, 89.583.



This preview shows how white text looks on a background with the CIELCh color 66, 67.729, 89.583.

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

66, 67.729, 89.583

Protanopia

66, 67.337, 95.200

Deuteranopia

66, 67.575, 82.637



Tritanopia
66, 22.111, 5.876

Trichromacy



Original Color
66, 67.729, 89.583

Protanomaly
66, 67.576, 93.216

Deuteranomaly
66, 67.528, 85.102

Tritanomaly
66, 32.774, 68.511

Monochromacy



Original Color
66, 67.729, 89.583

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 29.219, 95.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 67.729, 89.583 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, 157, 13)` looks like.

```
.text, #text, p{  
    color:rgb(191, 157, 13)  
}
```

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, 157, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 157, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 67.729, 89.583 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, 157, 13) }
```

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

```
.border{ border-color:rgb(191, 157, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 157, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 157, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 157, 13);  
box-shadow:4px 4px 4px 4px rgb(191, 157,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 67.729, 89.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 157, 13) }
```

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

```
.background{ background-color: rgb(191,  
157, 13) }
```

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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