

Converting Colors

CIELCh(67, 67.050, 88.758)

Have a look what the booklet for
CIELCh(67, 67.050, 88.758) contains.

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Color

CIELCh(67, 67.132, 88.456)

Conversions

Conversions Part 1

Format	Color
Hex	C49F16
RGB	196, 159, 22
RGB Percent	77%, 62%, 9%
CMY	0.2310, 0.3761, 0.9132
CMYK	0.00, 0.19, 0.89, 0.23
HSL	47°, 80%, 43%
HSV	47°, 89%, 77%
XYZ	35.3484, 36.6320, 5.9736
YIQ	154.4450, 66.0290, -34.7630

Conversions

Conversions Part 2

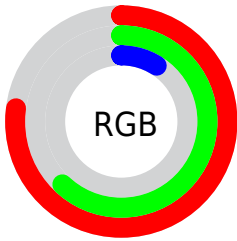
Format	Color
R_{YB}	69, 196, 22
Decimal	12885782
CIE Lab	67.00, 1.81, 67.11
CIE LCh	67, 67.132, 88.456
Yxy	36.6320, 0.4535, 0.4699
Android (android.graphics.Color)	4291075862 (0xFFC49F16)
YUV	154.4450, -65.2954, 36.4437
Hunter-Lab	60.5244, -1.6672, 36.5152

Details

The CIELCh color **67, 67.132, 88.456** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **32, 84.398, 299.046**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 66.812, 88.877**, and **47, 53.687, 87.297** is the 20% darker color. If you saturate the color by 10%, you get **66, 69.454, 86.885**, and if you desaturate by 10%, it is **68, 62.679, 89.885**.

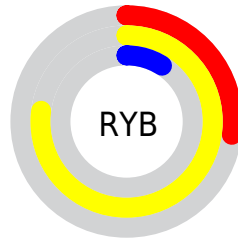
Distribution



Red (77%)

Green (62%)

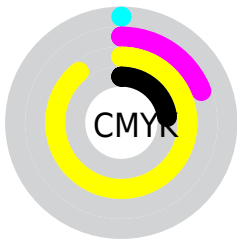
Blue (9%)



Red (27%)

Yellow (77%)

Blue (9%)

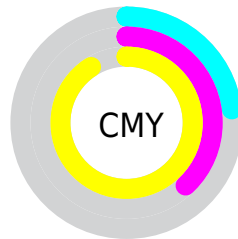


Cyan (0%)

Magenta (19%)

Yellow (89%)

Black (23%)



Cyan (23%)

Magenta (38%)


Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 67.132, 88.456 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 67, 67.132, 88.456 by changing the saturation by 10% instead.

 67, 67.132, 88.456

 67, 67.132, 88.456

 100, 67.132,
88.456

 57, 67.132, 88.456

 87, 67.132, 88.456

 47, 67.132, 88.456

 97, 67.132, 88.456

 37, 67.132, 88.456

 27, 67.132, 88.456

 17, 67.132, 88.456

 7, 67.132, 88.456

 0, 67.132, 88.456

 67, 67.132, 88.456

 67, 67.132, 88.456

 66, 69.454, 86.885

 68, 62.679, 89.885

66, 69.714, 86.681

69, 56.440, 91.220

71, 49.062, 92.511

72, 41.043, 93.780

73, 32.703, 95.030

75, 24.233, 96.258

76, 15.743, 97.458

78, 7.292, 98.617

79, 1.088, 279.920

Harmonies

Complementary

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



67, 67.132, 88.456



32, 84.398, 299.046

Rectangle

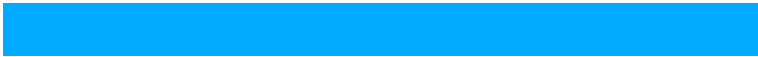
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 67.132, 88.456



67, 67.132, 138.456



67, 67.132, 268.456



67, 67.132, 318.456

Sweetspot

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



67, 67.131, 88.459



95, 28.202, 96.414



42, 69.867, 22.525



50, 19.017, 95.992



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 67.131, 88.459



83, 84.837, 86.386



73, 80.133, 118.165



40, 4.704, 98.543



55, 60.213, 86.954



10, 14.283, 91.808

Inverse Universe

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



32, 84.398, 299.046



38, 117.399, 302.532



29, 100.500, 308.085



38, 4.754, 280.769



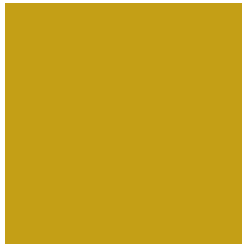
23, 80.911, 301.719



2, 16.600, 284.650

Previews

White Background



This preview shows how the CIELCh color 67, 67.132, 88.456 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 67, 67.132, 88.456 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 67, 67.132, 88.456

Background



This preview shows how black text looks on a background with the CIELCh color 67, 67.132, 88.456.

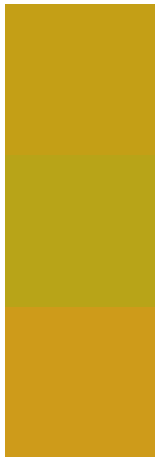


This preview shows how white text looks on a background with the CIELCh color 67, 67.132, 88.456.

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

67, 67.132, 88.456

Protanopia

67, 66.598, 95.317

Deuteranopia

67, 67.206, 82.746



Tritanopia
67, 22.831, 6.490

Trichromacy



Original Color
67, 67.132, 88.456

Protanomaly
67, 66.645, 92.879

Deuteranomaly
67, 66.869, 84.719

Tritanomaly
67, 32.404, 66.405

Monochromacy



Original Color
67, 67.132, 88.456

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 27.637, 94.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 67.132, 88.456 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(196, 159, 22)` looks like.

```
.text, #text, p{  
    color:rgb(196, 159, 22)  
}
```

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(196, 159, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 159, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 67.132, 88.456 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(196, 159, 22) }
```

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

```
.border{ border-color:rgb(196, 159, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 159, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 159, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 159, 22);  
box-shadow:4px 4px 4px 4px rgb(196, 159,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 67.132, 88.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 159, 22) }
```

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

```
.background{ background-color: rgb(196,  
159, 22) }
```

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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