

Converting Colors

CIELCh(64, 69.789, 82.387)

Have a look what the booklet for
CIELCh(64, 69.789, 82.387) contains.

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Color

CIELCh(64, 69.112, 82.610)

Conversions

Conversions Part 1

Format	Color
Hex	C69300
RGB	198, 147, 0
RGB Percent	78%, 58%, 0%
CMY	0.2242, 0.4241, 1.0000
CMYK	0.00, 0.26, 1.00, 0.22
HSL	45°, 100%, 39%
HSV	45°, 100%, 78%
XYZ	33.6508, 32.8017, 4.5480
YIQ	145.4910, 77.5830, -34.9050

Conversions

Conversions Part 2

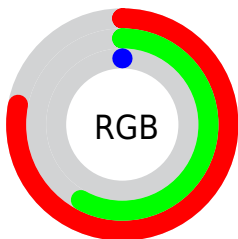
Format	Color
RYB	69, 198, 0
Decimal	13013760
CIELab	64.00, 8.89, 68.54
CIELCh	64, 69.112, 82.610
Yxy	32.8017, 0.4740, 0.4620
Android (android.graphics.Color)	4291203840 (0xFFC69300)
YUV	145.4910, -71.7271, 46.0504
Hunter-Lab	57.2727, 4.6511, 35.3827

Details

The CIELCh color **64, 69.112, 82.610** 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 **30, 90.618, 300.434**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 68.460, 84.203**, and **44, 52.790, 79.222** is the 20% darker color. If you saturate the color by 10%, you get **64, 69.064, 82.604**, and if you desaturate by 10%, it is **65, 66.686, 84.508**.

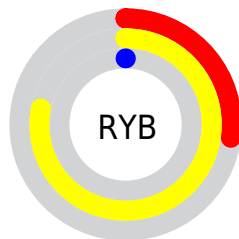
Distribution



Red (78%)

Green (58%)

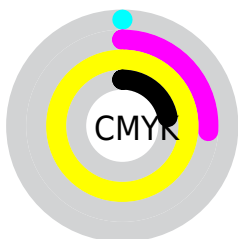
Blue (0%)



Red (27%)

Yellow (78%)

Blue (0%)

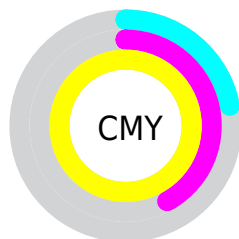


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 69.112, 82.610 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, 69.112, 82.610 by changing the saturation by 10% instead.

■ 64, 69.112, 82.610

■ 64, 69.112, 82.610

■ 100, 69.112,
82.610

■ 54, 69.112, 82.610

■ 84, 69.112, 82.610

■ 44, 69.112, 82.610

■ 94, 69.112, 82.610

■ 34, 69.112, 82.610

■ 24, 69.112, 82.610

■ 14, 69.112, 82.610

■ 4, 69.112, 82.610

■ 0, 69.112, 82.610

■ 64, 69.112, 82.610

■ 64, 69.112, 82.610

■ 64, 69.064, 82.604

■ 65, 66.686, 84.508

67, 62.306, 86.183

68, 56.115, 87.683

70, 48.806, 89.089

71, 40.900, 90.444

73, 32.722, 91.764

75, 24.462, 93.052

76, 16.221, 94.305

78, 8.056, 95.514

Harmonies

Complementary

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



64, 69.112, 82.610



30, 90.618, 300.434

Rectangle

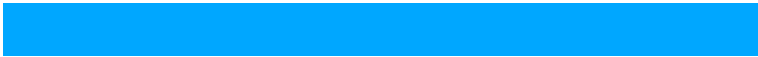
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 69.112, 82.610



64, 69.112, 132.610



64, 69.112, 262.610



64, 69.112, 312.610

Sweetspot

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



64, 69.064, 82.604



93, 30.066, 92.995



42, 73.835, 24.351



49, 20.547, 92.447



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 69.064, 82.604



81, 83.520, 82.246



74, 82.863, 116.559



41, 4.586, 95.586



54, 59.939, 82.933



10, 15.032, 86.990

Inverse Universe

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



30, 90.618, 300.434



40, 111.296, 300.890



26, 108.444, 307.529



39, 4.618, 277.903



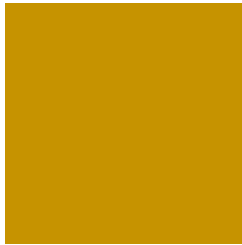
25, 77.496, 299.997



3, 17.725, 283.988

Previews

White Background



This preview shows how the CIELCh color 64, 69.112, 82.610 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, 69.112, 82.610 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, 69.112, 82.610

Background



This preview shows how black text looks on a background with the CIELCh color 64, 69.112, 82.610.



This preview shows how white text looks on a background with the CIELCh color 64, 69.112, 82.610.

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, 69.112, 82.610

Protanopia

64, 66.248, 95.374

Deuteranopia

64, 68.929, 82.965



Tritanopia
64, 28.328, 10.211

Trichromacy



Original Color
64, 69.112, 82.610

Protanomaly
64, 66.826, 90.884

Deuteranomaly
64, 68.929, 82.965

Tritanomaly
63, 38.623, 61.351

Monochromacy



Original Color
64, 69.112, 82.610

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 31.040, 91.881

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 69.112, 82.610 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(198, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 147, 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(198, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 147, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 69.112, 82.610 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(198, 147, 0) }
```

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

```
.border{ border-color:rgb(198, 147, 0) }
```

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

Here you see how a box with a 4 pixel rgb(198, 147, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 147,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 69.112, 82.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 147, 0) }
```

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

```
.background{ background-color: rgb(198,  
147, 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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