

Converting Colors

CIELCh(69, 72.162, 87.757)

Have a look what the booklet for
CIELCh(69, 72.162, 87.757) contains.

CIELCh(69, 72.321, 87.738)	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(69, 72.321, 87.738)

Conversions

Conversions Part 1

Format	Color
Hex	CDA400
RGB	205, 164, 0
RGB Percent	80%, 64%, 0%
CMY	0.1977, 0.3582, 0.9996
CMYK	0.00, 0.20, 1.00, 0.20
HSL	48°, 100%, 40%
HSV	48°, 100%, 80%
XYZ	38.2765, 39.3444, 5.5797
YIQ	157.5630, 77.0800, -42.3120

Conversions

Conversions Part 2

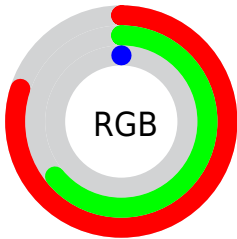
Format	Color
RYB	51, 205, 0
Decimal	13476864
CIELab	69.00, 2.85, 72.26
CIELCh	69, 72.321, 87.738
Yxy	39.3444, 0.4601, 0.4729
Android (android.graphics.Color)	4291666944 (0xFFCDA400)
YUV	157.5630, -77.6786, 41.6022
Hunter-Lab	62.7251, -0.8435, 38.6335

Details

The CIELCh color **69, 72.321, 87.738** 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 **29, 99.649, 302.597**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 71.077, 91.688**, and **49, 55.879, 85.949** is the 20% darker color. If you saturate the color by 10%, you get **69, 72.331, 87.732**, and if you desaturate by 10%, it is **70, 70.213, 89.244**.

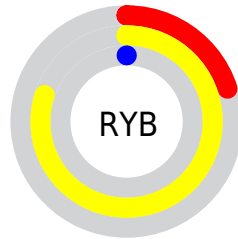
Distribution



Red (80%)

Green (64%)

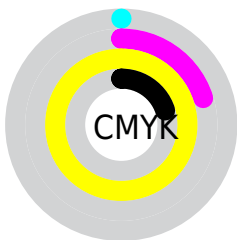
Blue (0%)



Red (20%)

Yellow (80%)

Blue (0%)

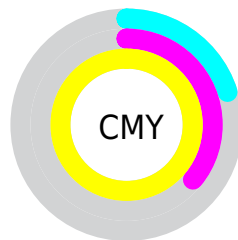


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 72.321, 87.738 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 69, 72.321, 87.738 by changing the saturation by 10% instead.

69, 72.321, 87.738

69, 72.321, 87.738

100, 72.321,
87.738

59, 72.321, 87.738

89, 72.321, 87.738

49, 72.321, 87.738

99, 72.321, 87.738

39, 72.321, 87.738

29, 72.321, 87.738

19, 72.321, 87.738

9, 72.321, 87.738

0, 72.321, 87.738

69, 72.321, 87.738

69, 72.321, 87.738

69, 72.331, 87.732

70, 70.213, 89.244

71, 65.975, 90.627

72, 59.763, 91.928

74, 52.250, 93.195

75, 43.982, 94.444

76, 35.321, 95.680

78, 26.484, 96.898

79, 17.601, 98.091

81, 8.740, 99.248

Harmonies

Complementary

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



69, 72.321, 87.738



29, 99.649, 302.597

Rectangle

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



69, 72.321, 87.738



69, 72.321, 137.738



69, 72.321, 267.738



69, 72.321, 317.738

Sweetspot

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



69, 72.320, 87.740



95, 31.729, 96.845



43, 78.115, 28.566



50, 21.652, 96.327



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 72.320, 87.740



84, 85.293, 87.506



76, 86.183, 119.154



42, 4.972, 99.310



57, 61.935, 87.992



12, 17.518, 91.958

Inverse Universe

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



29, 99.649, 302.597



37, 118.969, 302.931



28, 110.364, 308.057



40, 5.029, 281.526



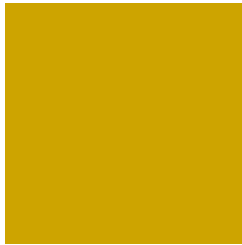
23, 84.160, 302.219



3, 20.298, 286.950

Previews

White Background



This preview shows how the CIELCh color 69, 72.321, 87.738 looks on a white background.

Color Contrast Check

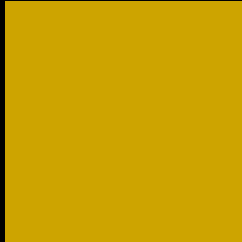
Large Text (above 18pt) WCAG AA × Fail

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 69, 72.321, 87.738 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 69, 72.321, 87.738

Background



This preview shows how black text looks on a background with the CIELCh color 69, 72.321, 87.738.

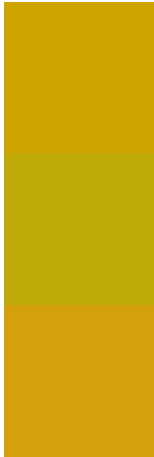


This preview shows how white text looks on a background with the CIELCh color 69, 72.321, 87.738.

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
69, 72.446, 87.751

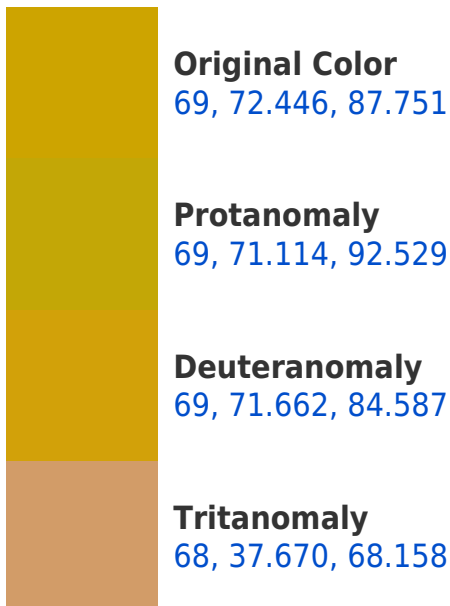
Protanopia
69, 70.804, 95.175

Deuteranopia
69, 71.402, 83.021



Tritanopia
69, 24.740, 6.645

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 72.321, 87.738 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(205, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(205, 164, 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(205, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 164, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 72.321, 87.738 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(205, 164, 0) }
```

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

```
.border{ border-color:rgb(205, 164, 0) }
```

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

Here you see how a box with a 4 pixel rgb(205, 164, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(205, 164,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 72.321, 87.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 164, 0) }
```

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

```
.background{ background-color: rgb(205,  
164, 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](#).

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