

Converting Colors

CIELCh(69, 72.793, 86.257)

Have a look what the booklet for
CIELCh(69, 72.793, 86.257) contains.

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Color

CIELCh(69, 72.585, 85.857)

Conversions

Conversions Part 1

Format	Color
Hex	D0A200
RGB	208, 162, 0
RGB Percent	82%, 64%, 0%
CMY	0.1835, 0.3640, 0.9982
CMYK	0.00, 0.22, 1.00, 0.18
HSL	47°, 100%, 41%
HSV	47°, 100%, 82%
XYZ	39.0245, 39.3444, 5.5503
YIQ	157.2860, 79.4180, -40.6300

Conversions

Conversions Part 2

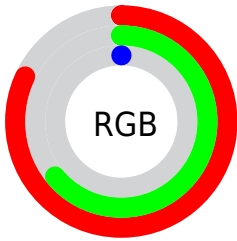
Format	Color
RYB	59, 208, 0
Decimal	13672960
CIELab	69.00, 5.24, 72.40
CIELCh	69, 72.585, 85.857
Yxy	39.3444, 0.4650, 0.4688
Android (android.graphics.Color)	4291863040 (0xFFD0A200)
YUV	157.2860, -77.5420, 44.4762
Hunter-Lab	62.7251, 1.2850, 38.6612

Details

The CIELCh color **69, 72.585, 85.857** 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 **31, 98.545, 301.868**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 70.297, 90.468**, and **49, 55.957, 83.807** is the 20% darker color. If you saturate the color by 10%, you get **69, 72.628, 85.822**, and if you desaturate by 10%, it is **70, 70.387, 87.525**.

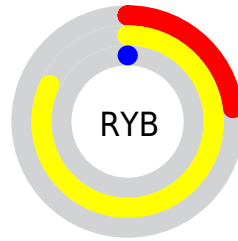
Distribution



Red (82%)

Green (64%)

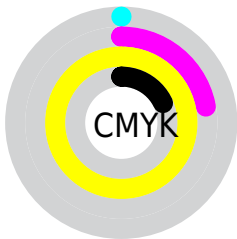
Blue (0%)



Red (23%)

Yellow (82%)

Blue (0%)

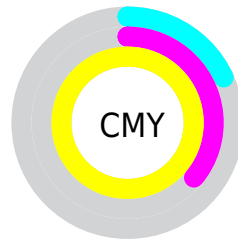


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 72.585, 85.857 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, 72.585, 85.857 by changing the saturation by 10% instead.

69, 72.585, 85.857

69, 72.585, 85.857

100, 72.585,
85.857

59, 72.585, 85.857

89, 72.585, 85.857

49, 72.585, 85.857

99, 72.585, 85.857

39, 72.585, 85.857

29, 72.585, 85.857

19, 72.585, 85.857

9, 72.585, 85.857

0, 72.585, 85.857

69, 72.585, 85.857

69, 72.585, 85.857

69, 72.628, 85.822

70, 70.387, 87.525

71, 65.997, 89.023

73, 59.643, 90.404

74, 52.024, 91.727

76, 43.693, 93.021

77, 35.008, 94.292

79, 26.180, 95.539

80, 17.330, 96.757

82, 8.524, 97.935

Harmonies

Complementary

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



69, 72.585, 85.857



31, 98.545, 301.868

Rectangle

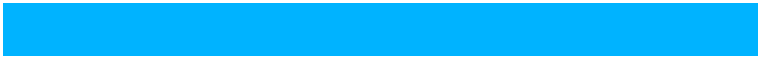
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 72.585, 85.857



69, 72.585, 135.857



69, 72.585, 265.857



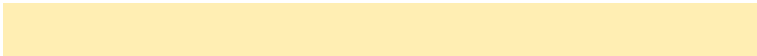
69, 72.585, 315.857

Sweetspot

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



69, 72.584, 85.860



94, 31.096, 95.468



44, 78.266, 27.228



49, 21.231, 94.939



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, 72.584, 85.860



83, 84.539, 85.589



77, 86.859, 118.316



43, 4.963, 97.977



57, 62.072, 86.115



13, 18.562, 89.755

Inverse Universe

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



31, 98.545, 301.868



38, 116.259, 302.237



28, 112.045, 307.852



41, 5.012, 280.241



24, 83.155, 301.505



3, 21.690, 287.308

Previews

White Background



This preview shows how the CIELCh color 69, 72.585, 85.857 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, 72.585, 85.857 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, 72.585, 85.857

Background



This preview shows how black text looks on a background with the CIELCh color 69, 72.585, 85.857.



This preview shows how white text looks on a background with the CIELCh color 69, 72.585, 85.857.

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, 72.585, 85.857

Protanopia

69, 70.684, 95.174

Deuteranopia

69, 71.813, 83.090



Tritanopia
69, 26.250, 8.942

Trichromacy



Original Color
69, 72.585, 85.857

Protanomaly
69, 71.187, 91.800

Deuteranomaly
69, 72.072, 84.282

Tritanomaly
68, 38.952, 66.227

Monochromacy



Original Color
69, 72.585, 85.857

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 32.939, 94.544

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 72.585, 85.857 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(208, 162, 0)` looks like.

```
.text, #text, p{  
    color:rgb(208, 162, 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(208, 162, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 162, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 72.585, 85.857 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(208, 162, 0) }
```

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

```
.border{ border-color:rgb(208, 162, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 162, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 162, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 162, 0);  
box-shadow:4px 4px 4px 4px rgb(208, 162,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 72.585, 85.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 162, 0) }
```

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

```
.background{ background-color: rgb(208,  
162, 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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