

Converting Colors

CIELCh(64, 68.576, 84.916)

Have a look what the booklet for
CIELCh(64, 68.576, 84.916) contains.

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Color

CIELCh(64, 68.646, 84.978)

Conversions

Conversions Part 1

Format	Color
Hex	C29500
RGB	194, 149, 0
RGB Percent	76%, 58%, 0%
CMY	0.2408, 0.4170, 1.0000
CMYK	0.00, 0.23, 1.00, 0.24
HSL	46°, 100%, 38%
HSV	46°, 100%, 76%
XYZ	32.8355, 32.8017, 4.5786
YIQ	145.4690, 74.6490, -36.7990

Conversions

Conversions Part 2

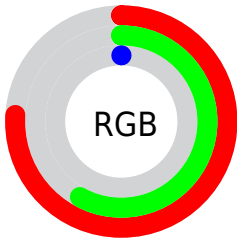
Format	Color
RYB	59, 194, 0
Decimal	12752128
CIELab	64.00, 6.01, 68.38
CIElCh	64, 68.646, 84.978
Yxy	32.8017, 0.4676, 0.4672
Android (android.graphics.Color)	4290942208 (0xFFC29500)
YUV	145.4690, -71.7162, 42.5617
Hunter-Lab	57.2727, 2.1100, 35.3510

Details

The CIELCh color **64, 68.646, 84.978** 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, 91.958, 301.401**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 68.850, 85.098**, and **44, 52.109, 82.508** is the 20% darker color. If you saturate the color by 10%, you get **64, 68.538, 84.965**, and if you desaturate by 10%, it is **65, 66.279, 86.682**.

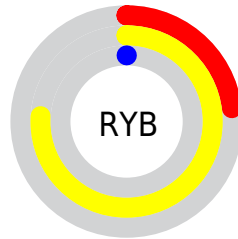
Distribution



Red (76%)

Green (58%)

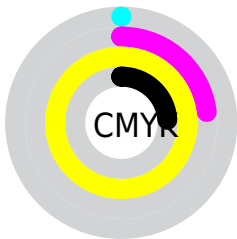
Blue (0%)



Red (23%)

Yellow (76%)

Blue (0%)

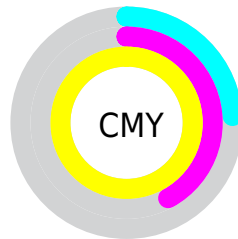


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 68.646, 84.978 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, 68.646, 84.978 by changing the saturation by 10% instead.

■ 64, 68.646, 84.978

■ 64, 68.646, 84.978

■ 100, 68.646,
84.978

■ 54, 68.646, 84.978

■ 84, 68.646, 84.978

■ 44, 68.646, 84.978

■ 94, 68.646, 84.978

■ 34, 68.646, 84.978

■ 24, 68.646, 84.978

■ 14, 68.646, 84.978

■ 4, 68.646, 84.978

■ 0, 68.646, 84.978

■ 64, 68.646, 84.978

■ 64, 68.646, 84.978

■ 64, 68.538, 84.965

■ 65, 66.279, 86.682

66, 62.062, 88.224

68, 56.029, 89.635

69, 48.843, 90.978

70, 41.015, 92.285

72, 32.874, 93.567

73, 24.615, 94.822

75, 16.346, 96.047

77, 8.128, 97.230

Harmonies

Complementary

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



64, 68.646, 84.978



29, 91.958, 301.401

Rectangle

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



64, 68.646, 84.978



64, 68.646, 134.978



64, 68.646, 264.978



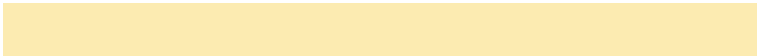
64, 68.646, 314.978

Sweetspot

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



64, 68.538, 84.965



93, 30.538, 94.762



41, 74.064, 27.047



49, 21.026, 94.225



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, 68.538, 84.965



81, 83.570, 84.630



72, 82.287, 118.271



40, 4.610, 97.302



54, 59.757, 85.251



9, 13.952, 89.954

Inverse Universe

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



29, 91.958, 301.401



38, 113.920, 301.850



26, 106.168, 307.892



38, 4.652, 279.565



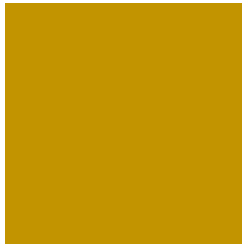
23, 79.056, 300.998



3, 16.350, 283.947

Previews

White Background



This preview shows how the CIELCh color 64, 68.646, 84.978 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, 68.646, 84.978 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, 68.646, 84.978

Background



This preview shows how black text looks on a background with the CIELCh color 64, 68.646, 84.978.



This preview shows how white text looks on a background with the CIELCh color 64, 68.646, 84.978.

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, 68.646, 84.978

Protanopia

64, 66.385, 95.375

Deuteranopia

64, 67.821, 82.770



Tritanopia
64, 25.874, 8.697

Trichromacy



Original Color
64, 68.646, 84.978

Protanomaly
64, 66.854, 91.282

Deuteranomaly
64, 68.166, 83.676

Tritanomaly
63, 36.897, 64.564

Monochromacy



Original Color
64, 68.646, 84.978

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 30.919, 92.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 68.646, 84.978 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(194, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 149, 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(194, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 149, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 68.646, 84.978 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(194, 149, 0) }
```

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

```
.border{ border-color:rgb(194, 149, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 149,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 68.646, 84.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 149, 0) }
```

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

```
.background{ background-color: rgb(194,  
149, 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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