

Converting Colors

CIELCh(69, 47.488, 85.042)

Have a look what the booklet for
CIELCh(69, 47.488, 85.042) contains.

CIELCh(69, 47.575, 85.168)	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, 47.575, 85.168)

Conversions

Conversions Part 1

Format	Color
Hex	C9A451
RGB	201, 164, 81
RGB Percent	79%, 64%, 32%
CMY	0.2136, 0.3585, 0.6839
CMYK	0.00, 0.18, 0.60, 0.21
HSL	42°, 52%, 55%
HSV	42°, 60%, 79%
XYZ	38.6362, 39.3444, 13.2646
YIQ	165.6010, 48.6950, -17.9690

Conversions

Conversions Part 2

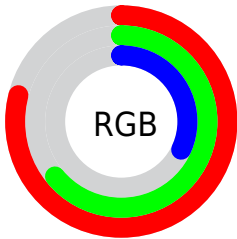
Format	Color
RYB	134, 201, 81
Decimal	13214801
CIELab	69.00, 4.01, 47.41
CIELCh	69, 47.575, 85.168
Yxy	39.3444, 0.4234, 0.4312
Android (android.graphics.Color)	4291404881 (0xFFC9A451)
YUV	165.6010, -41.7083, 31.0449
Hunter-Lab	62.7251, 0.1801, 31.3694

Details

The CIELCh color **69, 47.575, 85.168** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **50, 48.763, 284.752**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 46.731, 87.807**, and **49, 47.707, 85.463** is the 20% darker color. If you saturate the color by 10%, you get **67, 55.021, 83.668**, and if you desaturate by 10%, it is **71, 39.656, 86.599**.

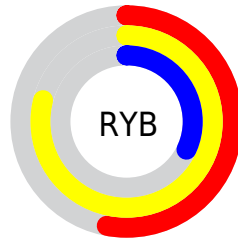
Distribution



Red (79%)

Green (64%)

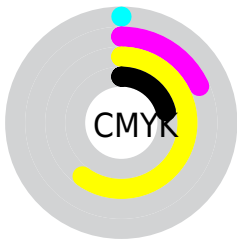
Blue (32%)



Red (53%)

Yellow (79%)

Blue (32%)

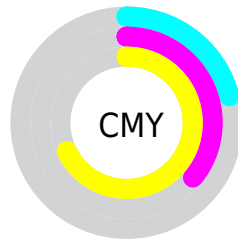


Cyan (0%)

Magenta (18%)

Yellow (60%)

Black (21%)



Cyan (21%)

Magenta (36%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 47.575, 85.168 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, 47.575, 85.168 by changing the saturation by 10% instead.

69, 47.575, 85.168

69, 47.575, 85.168

100, 47.575,
85.168

59, 47.575, 85.168

89, 47.575, 85.168

49, 47.575, 85.168

99, 47.575, 85.168

39, 47.575, 85.168

29, 47.575, 85.168

19, 47.575, 85.168

9, 47.575, 85.168

0, 47.575, 85.168

69, 47.575, 85.168

69, 47.575, 85.168

67, 55.021, 83.668

71, 39.656, 86.599

66, 61.484, 82.027

73, 31.567, 87.978

64, 66.237, 80.131

75, 23.476, 89.317

62, 68.976, 77.900

77, 15.469, 90.616

62, 69.027, 77.858

79, 7.585, 91.864

81, 0.157, 274.538

83, 7.757, 274.311

85, 15.218,
275.417

87, 19.530,
273.510

Harmonies

Complementary

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



69, 47.575, 85.168



50, 48.763, 284.752

Rectangle

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



69, 47.575, 85.168



69, 47.575, 135.168



69, 47.575, 265.168



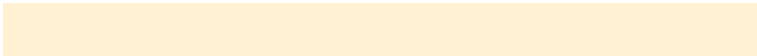
69, 47.575, 315.168

Sweetspot

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



69, 47.575, 85.172



95, 17.060, 90.813



51, 51.269, 3.642



50, 11.887, 90.437



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, 47.575, 85.172



83, 68.589, 83.160



77, 61.020, 113.426



41, 4.355, 91.916



51, 59.274, 78.287



9, 14.286, 81.593

Inverse Universe

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



50, 48.763, 284.752



56, 72.545, 288.898



43, 71.605, 303.551



39, 4.366, 274.320



27, 72.131, 297.617



3, 17.022, 282.047

Previews

White Background



This preview shows how the CIELCh color 69, 47.575, 85.168 looks on a white background.

Color Contrast Check

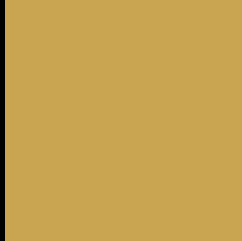
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 69, 47.575, 85.168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

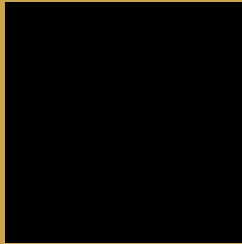
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 47.575, 85.168

Background



This preview shows how black text looks on a background with the CIELCh color 69, 47.575, 85.168.



This preview shows how white text looks on a background with the CIELCh color 69, 47.575, 85.168.

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, 47.575, 85.168

Protanopia

69, 46.791, 95.604

Deuteranopia

69, 48.309, 79.736



Tritanopia
69, 22.009, 4.360

Trichromacy



Original Color
69, 47.575, 85.168

Protanomaly
69, 47.098, 91.762

Deuteranomaly
69, 47.873, 81.845

Tritanomaly
69, 23.635, 51.130

Monochromacy



Original Color
69, 47.575, 85.168

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 17.432, 89.221

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 47.575, 85.168 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(201, 164, 81)` looks like.

```
.text, #text, p{  
    color:rgb(201, 164, 81)  
}
```

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(201, 164, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 164, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 47.575, 85.168 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(201, 164, 81) }
```

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

```
.border{ border-color:rgb(201, 164, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 164, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 164, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 164, 81);  
box-shadow:4px 4px 4px 4px rgb(201, 164,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 47.575, 85.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 164, 81) }
```

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

```
.background{ background-color: rgb(201,  
164, 81) }
```

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