

Converting Colors

CIELCh(64, 45.165, 69.338)

Have a look what the booklet for
CIELCh(64, 45.165, 69.338) contains.

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Color

CIELCh(64, 45.212, 69.701)

Conversions

Conversions Part 1

Format	Color
Hex	CA8F4F
RGB	202, 143, 79
RGB Percent	79%, 56%, 31%
CMY	0.2075, 0.4389, 0.6899
CMYK	0.00, 0.29, 0.61, 0.21
HSL	31°, 54%, 55%
HSV	31°, 61%, 79%
XYZ	35.6278, 32.8017, 11.8644
YIQ	153.3450, 55.7080, -7.3960

Conversions

Conversions Part 2

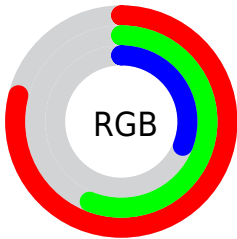
Format	Color
RYB	192, 202, 79
Decimal	13274959
CIELab	64.00, 15.68, 42.40
CIELCh	64, 45.212, 69.701
Yxy	32.8017, 0.4437, 0.4085
Android (android.graphics.Color)	4291465039 (0xFFCA8F4F)
YUV	153.3450, -36.6521, 42.6704
Hunter-Lab	57.2727, 10.8127, 27.8086

Details

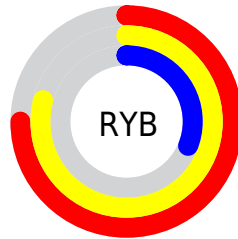
The CIELCh color **64, 45.212, 69.701** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **56, 38.881, 270.422**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 43.369, 72.750**, and **44, 45.244, 70.173** is the 20% darker color. If you saturate the color by 10%, you get **61, 53.233, 68.252**, and if you desaturate by 10%, it is **67, 37.136, 71.065**.

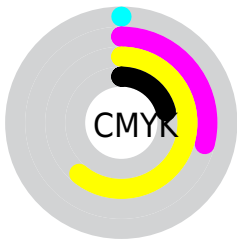
Distribution



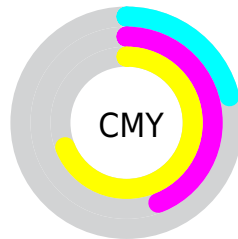
- Red (79%)
- Green (56%)
- Blue (31%)



- Red (75%)
- Yellow (79%)
- Blue (31%)



- Cyan (0%)
- Magenta (29%)
- Yellow (61%)
- Black (21%)



- Cyan (21%)
- Magenta (44%)
- Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 45.212, 69.701 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, 45.212, 69.701 by changing the saturation by 10% instead.

 64, 45.212, 69.701

 64, 45.212, 69.701

 100, 45.212,
69.701

 54, 45.212, 69.701

 84, 45.212, 69.701

 44, 45.212, 69.701

 94, 45.212, 69.701

 34, 45.212, 69.701

 24, 45.212, 69.701

 14, 45.212, 69.701

 4, 45.212, 69.701

 0, 45.212, 69.701

 64, 45.212, 69.701

 64, 45.212, 69.701

 61, 53.233, 68.252

 67, 37.136, 71.065

59, 60.737, 66.583

69, 29.235, 72.386

57, 66.919, 64.457

72, 21.610, 73.684

55, 71.055, 62.046

75, 14.293, 74.961

78, 7.284, 76.201

81, 0.565, 76.857

84, 5.889, 258.748

87, 12.103,
259.881

90, 15.595,
254.653

Harmonies

Complementary

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



64, 45.212, 69.701



56, 38.881, 270.422

Rectangle

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



64, 45.212, 69.701



64, 45.212, 119.701



64, 45.212, 249.701



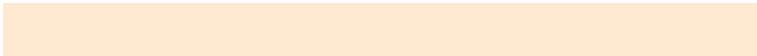
64, 45.212, 299.701

Sweetspot

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



64, 45.211, 69.705



94, 14.803, 75.291



52, 55.179, 351.911



49, 10.353, 74.920



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, 45.211, 69.705



75, 66.325, 67.762



79, 61.531, 105.395



41, 3.817, 76.376



45, 61.174, 62.622



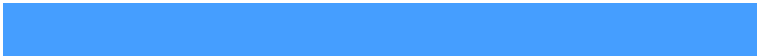
8, 14.364, 60.491

Inverse Universe

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



56, 38.881, 270.422



64, 55.965, 275.185



41, 73.789, 300.091



41, 3.747, 258.881



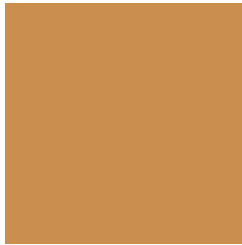
35, 54.025, 285.618



5, 15.531, 272.928

Previews

White Background



This preview shows how the CIELCh color 64, 45.212, 69.701 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 64, 45.212, 69.701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

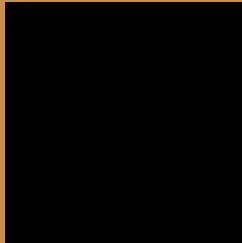
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 45.212, 69.701

Background



This preview shows how black text looks on a background with the CIELCh color 64, 45.212, 69.701.



This preview shows how white text looks on a background with the CIELCh color 64, 45.212, 69.701.

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, 45.212, 69.701

Protanopia

64, 40.122, 96.259

Deuteranopia

64, 43.422, 79.153



Tritanopia
64, 29.565, 10.899

Trichromacy



Original Color
64, 45.212, 69.701

Protanomaly
64, 40.389, 85.773

Deuteranomaly
64, 44.054, 75.560

Tritanomaly
64, 30.325, 38.775

Monochromacy



Original Color
64, 45.212, 69.701

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 15.827, 73.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 45.212, 69.701 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(202, 143, 79)` looks like.

```
.text, #text, p{  
    color:rgb(202, 143, 79)  
}
```

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(202, 143, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 143, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 45.212, 69.701 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(202, 143, 79) }
```

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

```
.border{ border-color:rgb(202, 143, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 143, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 143, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 143, 79);  
box-shadow:4px 4px 4px 4px rgb(202, 143,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 45.212, 69.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 143, 79) }
```

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

```
.background{ background-color: rgb(202,  
143, 79) }
```

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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