

Converting Colors

CIELCh(67, 74.281, 75.312)

Have a look what the booklet for
CIELCh(67, 74.281, 75.312) contains.

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Color

CIELCh(67, 74.317, 75.266)

Conversions

Conversions Part 1

Format	Color
Hex	DE9400
RGB	222, 148, 0
RGB Percent	87%, 58%, 0%
CMY	0.1301, 0.4202, 1.0000
CMYK	0.00, 0.33, 1.00, 0.13
HSL	40°, 100%, 43%
HSV	40°, 100%, 87%
XYZ	40.6328, 36.6320, 4.9188
YIQ	153.2540, 91.6120, -30.3400

Conversions

Conversions Part 2

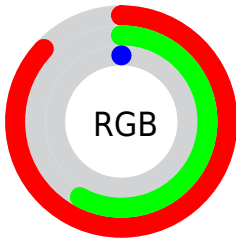
Format	Color
RYB	111, 222, 0
Decimal	14586880
CIELab	67.00, 18.90, 71.87
CIElCh	67, 74.317, 75.266
Yxy	36.6320, 0.4944, 0.4457
Android (android.graphics.Color)	4292776960 (0xFFDE9400)
YUV	153.2540, -75.5542, 60.2902
Hunter-Lab	60.5244, 13.9176, 37.5485

Details

The CIELCh color **67, 74.317, 75.266** 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 **38, 89.132, 297.032**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 67.892, 84.512**, and **47, 58.655, 70.003** is the 20% darker color. If you saturate the color by 10%, you get **67, 74.271, 75.257**, and if you desaturate by 10%, it is **69, 71.339, 77.699**.

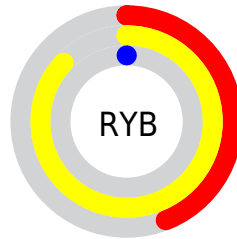
Distribution



Red (87%)

Green (58%)

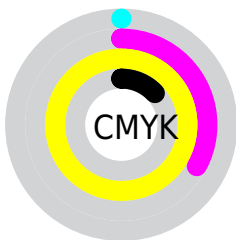
Blue (0%)



Red (44%)

Yellow (87%)

Blue (0%)

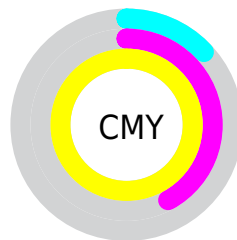


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 74.317, 75.266 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 67, 74.317, 75.266 by changing the saturation by 10% instead.

67, 74.317, 75.266

67, 74.317, 75.266

100, 74.317,
75.266

57, 74.317, 75.266

87, 74.317, 75.266

47, 74.317, 75.266

97, 74.317, 75.266

37, 74.317, 75.266

27, 74.317, 75.266

17, 74.317, 75.266

7, 74.317, 75.266

0, 74.317, 75.266

67, 74.317, 75.266

67, 74.317, 75.266

67, 74.271, 75.257

69, 71.339, 77.699

71, 66.147, 79.727

73, 59.097, 81.446

75, 51.010, 83.000

77, 42.454, 84.465

79, 33.758, 85.875

81, 25.098, 87.243

84, 16.562, 88.568

86, 8.189, 89.841

Harmonies

Complementary

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



67, 74.317, 75.266



38, 89.132, 297.032

Rectangle

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



67, 74.317, 75.266



67, 74.317, 125.266



67, 74.317, 255.266



67, 74.317, 305.266

Sweetspot

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



67, 74.271, 75.257



92, 28.109, 87.211



47, 77.530, 17.207



48, 19.253, 86.635



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 74.271, 75.257



76, 82.510, 75.008



83, 88.591, 111.996



45, 4.603, 89.911



53, 61.817, 75.777



13, 19.494, 78.579

Inverse Universe

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



38, 89.132, 297.032



44, 99.843, 297.314



28, 119.408, 306.825



43, 4.602, 272.382



30, 72.885, 296.422



5, 22.631, 285.390

Previews

White Background



This preview shows how the CIELCh color 67, 74.317, 75.266 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 67, 74.317, 75.266 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 67, 74.317, 75.266

Background



This preview shows how black text looks on a background with the CIELCh color 67, 74.317, 75.266.



This preview shows how white text looks on a background with the CIELCh color 67, 74.317, 75.266.

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

67, 74.317, 75.266

Protanopia

67, 68.315, 95.331

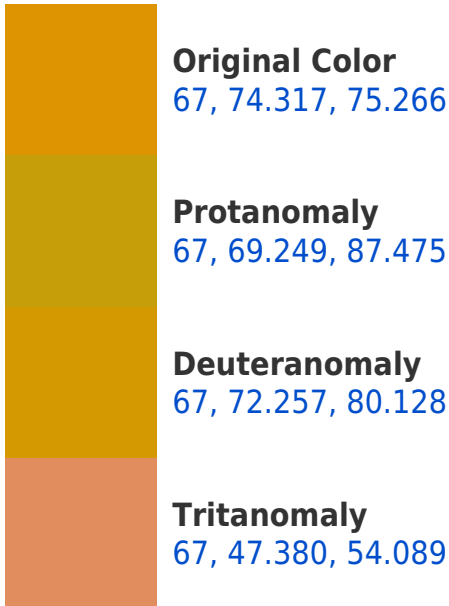
Deuteranopia

67, 71.569, 83.129



Tritanopia
67, 37.110, 14.238

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 74.317, 75.266 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(222, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 148, 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(222, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 148, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 74.317, 75.266 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(222, 148, 0) }
```

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

```
.border{ border-color:rgb(222, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 148,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 74.317, 75.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 148, 0) }
```

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

```
.background{ background-color: rgb(222,  
148, 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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