

Converting Colors

CIELCh(65, 72.987, 75.122)

Have a look what the booklet for
CIELCh(65, 72.987, 75.122) contains.

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Color

CIELCh(65, 72.545, 75.180)

Conversions

Conversions Part 1

Format	Color
Hex	D78F00
RGB	215, 143, 0
RGB Percent	84%, 56%, 0%
CMY	0.1573, 0.4396, 1.0000
CMYK	0.00, 0.33, 1.00, 0.16
HSL	40°, 100%, 42%
HSV	40°, 100%, 84%
XYZ	37.7996, 34.0472, 4.5737
YIQ	148.2260, 88.8150, -29.2090

Conversions

Conversions Part 2

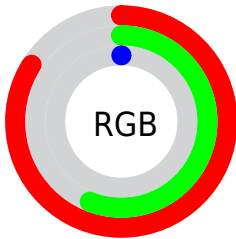
Format	Color
RYB	108, 215, 0
Decimal	14126848
CIELab	65.00, 18.56, 70.13
CIElCh	65, 72.545, 75.180
Yxy	34.0472, 0.4946, 0.4455
Android (android.graphics.Color)	4292316928 (0xFFD78F00)
YUV	148.2260, -73.0754, 58.5608
Hunter-Lab	58.3500, 13.5214, 36.1976

Details

The CIELCh color **65, 72.545, 75.180** 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 **37, 86.651, 296.879**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 67.733, 82.380**, and **45, 56.750, 70.265** is the 20% darker color. If you saturate the color by 10%, you get **65, 72.517, 75.175**, and if you desaturate by 10%, it is **67, 69.571, 77.603**.

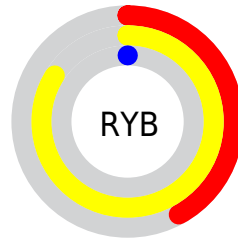
Distribution



Red (84%)

Green (56%)

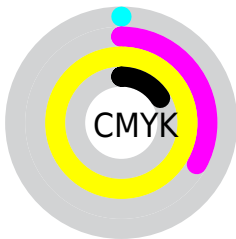
Blue (0%)



Red (42%)

Yellow (84%)

Blue (0%)

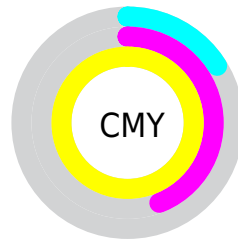


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (16%)



Cyan (16%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 72.545, 75.180 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 65, 72.545, 75.180 by changing the saturation by 10% instead.

65, 72.545, 75.180

65, 72.545, 75.180

100, 72.545,
75.180

55, 72.545, 75.180

85, 72.545, 75.180

45, 72.545, 75.180

95, 72.545, 75.180

35, 72.545, 75.180

25, 72.545, 75.180

15, 72.545, 75.180

5, 72.545, 75.180

0, 72.545, 75.180

65, 72.545, 75.180

65, 72.545, 75.180

65, 72.517, 75.175

67, 69.571, 77.603

69, 64.463, 79.625

71, 57.564, 81.341

73, 49.671, 82.892

75, 41.331, 84.355

77, 32.860, 85.763

79, 24.427, 87.128

81, 16.118, 88.451

84, 7.969, 89.722

Harmonies

Complementary

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



65, 72.545, 75.180



37, 86.651, 296.879

Rectangle

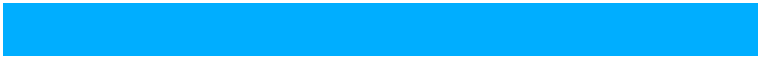
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 72.545, 75.180



65, 72.545, 125.180



65, 72.545, 255.180



65, 72.545, 305.180

Sweetspot

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



65, 72.517, 75.175



92, 28.074, 87.089



46, 75.668, 17.088



48, 19.230, 86.512



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 72.517, 75.175



76, 82.506, 74.865



81, 86.498, 111.979



44, 4.508, 89.794



52, 61.139, 75.672



12, 18.136, 78.445

Inverse Universe

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



37, 86.651, 296.879



44, 99.608, 297.233



27, 116.575, 306.835



42, 4.506, 272.261



29, 71.835, 296.296



5, 21.147, 284.173

Previews

White Background



This preview shows how the CIELCh color 65, 72.545, 75.180 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 65, 72.545, 75.180 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 65, 72.545, 75.180

Background



This preview shows how black text looks on a background with the CIELCh color 65, 72.545, 75.180.



This preview shows how white text looks on a background with the CIELCh color 65, 72.545, 75.180.

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

65, 72.545, 75.180

Protanopia

65, 66.775, 95.504

Deuteranopia

65, 69.788, 83.291



Tritanopia
65, 36.094, 14.760

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 72.545, 75.180 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(215, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(215, 143, 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(215, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 143, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 72.545, 75.180 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(215, 143, 0) }
```

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

```
.border{ border-color:rgb(215, 143, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(215, 143,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 72.545, 75.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 143, 0) }
```

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

```
.background{ background-color: rgb(215,  
143, 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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