

Converting Colors

CIELCh(65, 76.772, 67.410)

Have a look what the booklet for
CIELCh(65, 76.772, 67.410) contains.

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Color

CIELCh(65, 76.721, 67.614)

Conversions

Conversions Part 1

Format	Color
Hex	E68701
RGB	230, 135, 1
RGB Percent	90%, 53%, 0%
CMY	0.0991, 0.4714, 0.9979
CMYK	0.00, 0.41, 1.00, 0.10
HSL	35°, 100%, 45%
HSV	35°, 100%, 90%
XYZ	41.1844, 34.0472, 4.4161
YIQ	148.1290, 99.6340, -21.5340

Conversions

Conversions Part 2

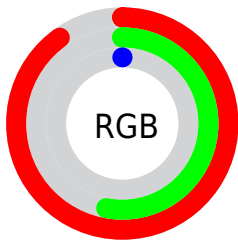
Format	Color
RYB	163, 230, 1
Decimal	15107841
CIELab	65.00, 29.22, 70.94
CIELCh	65, 76.721, 67.614
Yxy	34.0472, 0.5171, 0.4275
Android (android.graphics.Color)	4293297921 (0xFFE68701)
YUV	148.1290, -72.5346, 71.8009
Hunter-Lab	58.3500, 23.8759, 36.3577

Details

The CIELCh color **65, 76.721, 67.614** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **44, 79.686, 291.901**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 66.502, 78.609**, and **45, 62.274, 60.881** is the 20% darker color. If you saturate the color by 10%, you get **65, 76.805, 67.553**, and if you desaturate by 10%, it is **67, 72.820, 70.379**.

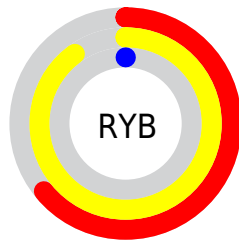
Distribution



Red (90%)

Green (53%)

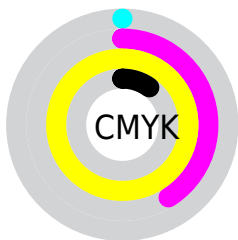
Blue (0%)



Red (64%)

Yellow (90%)

Blue (0%)

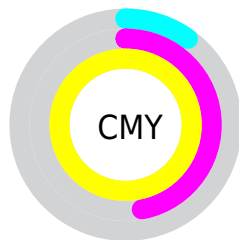


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 76.721, 67.614 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, 76.721, 67.614 by changing the saturation by 10% instead.

65, 76.721, 67.614

65, 76.721, 67.614

100, 76.721,
67.614

55, 76.721, 67.614

85, 76.721, 67.614

45, 76.721, 67.614

95, 76.721, 67.614

35, 76.721, 67.614

25, 76.721, 67.614

15, 76.721, 67.614

5, 76.721, 67.614

0, 76.721, 67.614

65, 76.721, 67.614

65, 76.721, 67.614

65, 76.805, 67.553

67, 72.820, 70.379

69, 66.653, 72.566

72, 58.835, 74.347

74, 50.240, 75.921

77, 41.410, 77.393

80, 32.633, 78.810

83, 24.047, 80.187

85, 15.708, 81.527

88, 7.632, 82.815

Harmonies

Complementary

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



65, 76.721, 67.614



44, 79.686, 291.901

Rectangle

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



65, 76.721, 67.614



65, 76.721, 117.614



65, 76.721, 247.614



65, 76.721, 297.614

Sweetspot

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



65, 76.719, 67.616



91, 26.391, 80.132



49, 78.215, 10.731



47, 18.128, 79.552



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, 76.719, 67.616



71, 83.154, 67.334



87, 89.979, 108.026



47, 4.431, 82.854



51, 63.506, 68.176



13, 21.245, 70.043

Inverse Universe

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



44, 79.686, 291.901



49, 86.978, 292.231



29, 123.126, 306.486



45, 4.388, 265.415



34, 64.996, 291.286



7, 22.817, 283.116

Previews

White Background



This preview shows how the CIELCh color 65, 76.721, 67.614 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, 76.721, 67.614 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, 76.721, 67.614

Background



This preview shows how black text looks on a background with the CIELCh color 65, 76.721, 67.614.

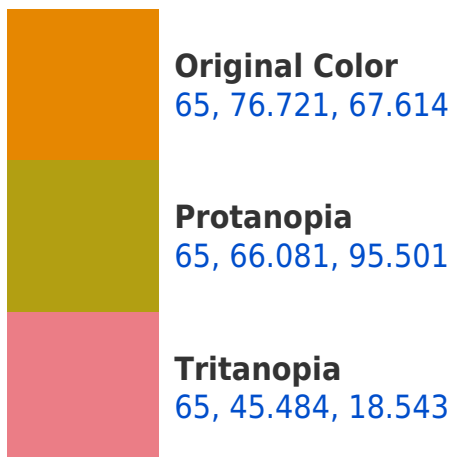


This preview shows how white text looks on a background with the CIELCh color 65, 76.721, 67.614.

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



Trichromacy



Original Color
65, 76.721, 67.614

Protanomaly
65, 67.633, 84.101

Tritanomaly
65, 54.806, 48.608

Monochromacy



Original Color
65, 76.721, 67.614

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 31.730, 77.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 76.721, 67.614 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(230, 135, 1)` looks like.

```
.text, #text, p{  
    color:rgb(230, 135, 1)  
}
```

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(230, 135, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 135, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 76.721, 67.614 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(230, 135, 1) }
```

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

```
.border{ border-color:rgb(230, 135, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 135, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 135, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 135, 1);  
box-shadow:4px 4px 4px 4px rgb(230, 135,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 76.721, 67.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 135, 1) }
```

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

```
.background{ background-color: rgb(230,  
135, 1) }
```

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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