

Converting Colors

CIELCh(61, 69.726, 73.850)

Have a look what the booklet for
CIELCh(61, 69.726, 73.850) contains.

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Color

CIELCh(61, 69.470, 73.884)

Conversions

Conversions Part 1

Format	Color
Hex	CB8400
RGB	203, 132, 0
RGB Percent	80%, 52%, 0%
CMY	0.2034, 0.4819, 0.9991
CMYK	0.00, 0.35, 1.00, 0.20
HSL	39°, 100%, 40%
HSV	39°, 100%, 80%
XYZ	32.9320, 29.2481, 3.9163
YIQ	138.1810, 84.6880, -26.0000

Conversions

Conversions Part 2

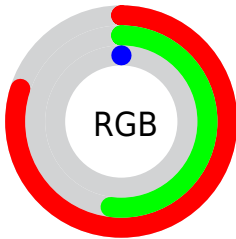
Format	Color
RYB	109, 203, 0
Decimal	13337600
CIELab	61.00, 19.28, 66.74
CIElCh	61, 69.470, 73.884
Yxy	29.2481, 0.4982, 0.4425
Android (android.graphics.Color)	4291527680 (0xFFCB8400)
YUV	138.1810, -68.1232, 56.8463
Hunter-Lab	54.0815, 14.0518, 33.5637

Details

The CIELCh color **61, 69.470, 73.884** 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 **36, 80.673, 295.849**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 67.145, 77.020**, and **41, 54.002, 67.744** is the 20% darker color. If you saturate the color by 10%, you get **61, 69.504, 73.859**, and if you desaturate by 10%, it is **63, 66.366, 76.342**.

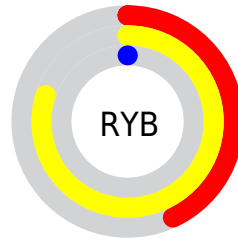
Distribution



Red (80%)

Green (52%)

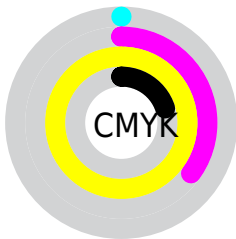
Blue (0%)



Red (43%)

Yellow (80%)

Blue (0%)

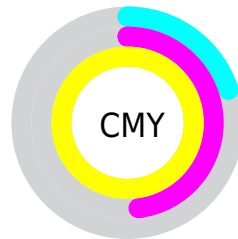


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 69.470, 73.884 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 61, 69.470, 73.884 by changing the saturation by 10% instead.

61, 69.470, 73.884

61, 69.470, 73.884

100, 69.470,
73.884

51, 69.470, 73.884

81, 69.470, 73.884

41, 69.470, 73.884

91, 69.470, 73.884

31, 69.470, 73.884

21, 69.470, 73.884

11, 69.470, 73.884

1, 69.470, 73.884

0, 69.470, 73.884

61, 69.470, 73.884

61, 69.470, 73.884

61, 69.504, 73.859

63, 66.366, 76.342

65, 61.276, 78.384

67, 54.557, 80.109

68, 46.961, 81.665

71, 38.993, 83.131

73, 30.938, 84.540

75, 22.949, 85.907

77, 15.097, 87.232

79, 7.413, 88.504

Harmonies

Complementary

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



61, 69.470, 73.884



36, 80.673, 295.849

Rectangle

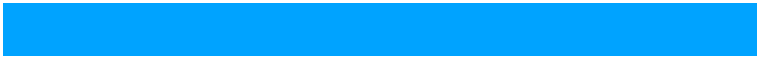
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 69.470, 73.884



61, 69.470, 123.884



61, 69.470, 253.884



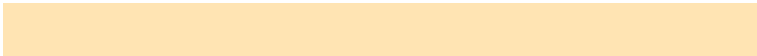
61, 69.470, 303.884

Sweetspot

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



61, 69.468, 73.887



92, 27.724, 85.838



43, 72.056, 15.217



48, 18.999, 85.258



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 69.468, 73.887



75, 82.499, 73.417



77, 82.640, 110.973



42, 4.266, 88.564



50, 59.756, 74.335



10, 15.198, 76.737

Inverse Universe

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



36, 80.673, 295.849



45, 97.228, 296.388



25, 111.838, 306.749



40, 4.258, 271.037



29, 68.382, 295.331



4, 17.909, 281.234

Previews

White Background



This preview shows how the CIELCh color 61, 69.470, 73.884 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 69.470, 73.884 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 × Fail

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

CIELCh 61, 69.470, 73.884

Background



This preview shows how black text looks on a background with the CIELCh color 61, 69.470, 73.884.



This preview shows how white text looks on a background with the CIELCh color 61, 69.470, 73.884.

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

61, 69.470, 73.884

Protanopia

61, 63.145, 94.994

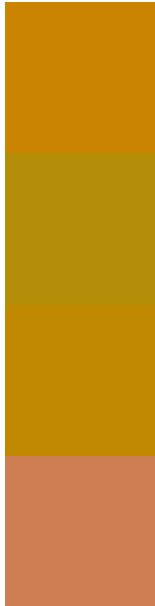
Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 35.763, 15.657

Trichromacy



Original Color
61, 69.470, 73.884

Protanomaly
61, 64.140, 86.766

Deuteranomaly
61, 67.283, 79.622

Tritanomaly
61, 45.161, 52.682

Monochromacy



Original Color
61, 69.470, 73.884

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 29.570, 83.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 69.470, 73.884 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(203, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 132, 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(203, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 132, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 69.470, 73.884 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(203, 132, 0) }
```

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

```
.border{ border-color:rgb(203, 132, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 132,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 69.470, 73.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 132, 0) }
```

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

```
.background{ background-color: rgb(203,  
132, 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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