

Converting Colors

CIELCh(61, 69.727, 73.722)

Have a look what the booklet for
CIELCh(61, 69.727, 73.722) contains.

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Color

CIELCh(61, 69.728, 73.571)

Conversions

Conversions Part 1

Format	Color
Hex	CC8400
RGB	204, 132, 0
RGB Percent	80%, 52%, 0%
CMY	0.2010, 0.4831, 1.0000
CMYK	0.00, 0.35, 1.00, 0.20
HSL	39°, 100%, 40%
HSV	39°, 100%, 80%
XYZ	33.0552, 29.2481, 3.8912
YIQ	138.4800, 85.2840, -25.7880

Conversions

Conversions Part 2

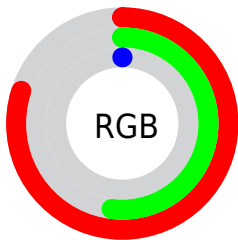
Format	Color
RYB	111, 204, 0
Decimal	13403136
CIELab	61.00, 19.72, 66.88
CIElCh	61, 69.728, 73.571
Yxy	29.2481, 0.4994, 0.4419
Android (android.graphics.Color)	4291593216 (0xFFCC8400)
YUV	138.4800, -68.2706, 57.4610
Hunter-Lab	54.0815, 14.4584, 33.5911

Details

The CIELCh color **61, 69.728, 73.571** 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, 80.560, 295.710**, 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, 54.325, 67.365** is the 20% darker color. If you saturate the color by 10%, you get **61, 69.665, 73.555**, and if you desaturate by 10%, it is **63, 66.542, 76.027**.

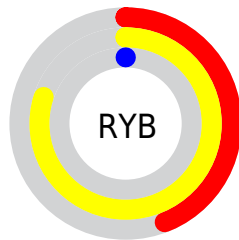
Distribution



Red (80%)

Green (52%)

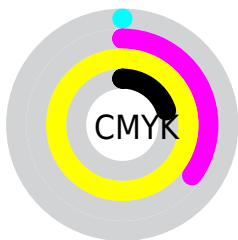
Blue (0%)



Red (44%)

Yellow (80%)

Blue (0%)

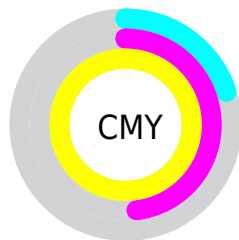


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 69.728, 73.571 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, 69.728, 73.571 by changing the saturation by 10% instead.

■ 61, 69.728, 73.571

■ 61, 69.728, 73.571

■ 100, 69.728,
73.571

■ 51, 69.728, 73.571

■ 81, 69.728, 73.571

■ 41, 69.728, 73.571

■ 91, 69.728, 73.571

■ 31, 69.728, 73.571

■ 21, 69.728, 73.571

■ 11, 69.728, 73.571

■ 1, 69.728, 73.571

■ 0, 69.728, 73.571

■ 61, 69.728, 73.571

■ 61, 69.728, 73.571

■ 61, 69.665, 73.555

■ 63, 66.542, 76.027

65, 61.441, 78.084

67, 54.704, 79.817

69, 47.089, 81.377

71, 39.104, 82.845

73, 31.037, 84.257

75, 23.039, 85.626

77, 15.182, 86.953

80, 7.497, 88.228

Harmonies

Complementary

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



61, 69.728, 73.571



36, 80.560, 295.710

Rectangle

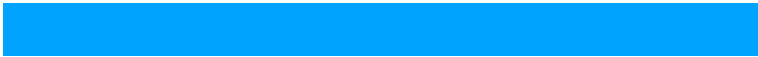
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 69.728, 73.571



61, 69.728, 123.571



61, 69.728, 253.571



61, 69.728, 303.571

Sweetspot

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



61, 69.665, 73.555



92, 27.652, 85.573



43, 72.258, 15.287



48, 18.953, 84.993



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, 69.665, 73.555



75, 82.505, 73.116



77, 82.854, 110.979



42, 4.254, 88.302



50, 59.755, 74.042



10, 15.163, 76.370

Inverse Universe

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



36, 80.560, 295.710



45, 96.731, 296.206



26, 112.155, 306.755



40, 4.244, 270.779



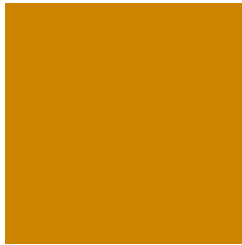
29, 68.029, 295.143



4, 17.855, 281.080

Previews

White Background



This preview shows how the CIELCh color 61, 69.728, 73.571 looks on a white background.

Color Contrast Check

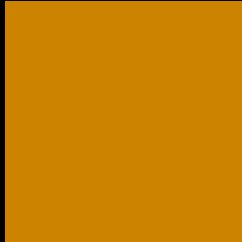
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.728, 73.571 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, 69.728, 73.571

Background



This preview shows how black text looks on a background with the CIELCh color 61, 69.728, 73.571.



This preview shows how white text looks on a background with the CIELCh color 61, 69.728, 73.571.

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, 69.728, 73.571

Protanopia

61, 63.145, 94.994

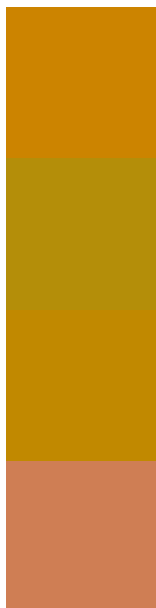
Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 35.763, 15.657

Trichromacy



Original Color
61, 69.728, 73.571

Protanomaly
61, 64.140, 86.766

Deuteranomaly
61, 67.283, 79.622

Tritanomaly
61, 45.161, 52.682

Monochromacy



Original Color
61, 69.728, 73.571

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, 69.728, 73.571 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(204, 132, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 132, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 132, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 69.728, 73.571 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(204, 132, 0) }
```

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

```
.border{ border-color:rgb(204, 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(204, 132, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 132, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 132, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 132,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 69.728, 73.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 132, 0) }
```

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

```
.background{ background-color: rgb(204,  
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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