

Converting Colors

CIELCh(61, 70.390, 72.967)

Have a look what the booklet for
CIELCh(61, 70.390, 72.967) contains.

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Color

CIELCh(61, 69.999, 72.799)

Conversions

Conversions Part 1

Format	Color
Hex	CD8300
RGB	205, 131, 0
RGB Percent	80%, 51%, 0%
CMY	0.1957, 0.4859, 0.9993
CMYK	0.00, 0.36, 1.00, 0.20
HSL	38°, 100%, 40%
HSV	38°, 100%, 80%
XYZ	33.3322, 29.2481, 3.8935
YIQ	138.1920, 86.1550, -25.0530

Conversions

Conversions Part 2

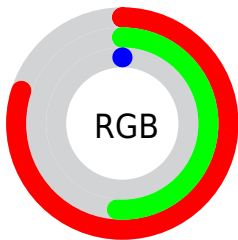
Format	Color
R_{YB}	116, 205, 0
Decimal	13468416
CIE _{Lab}	61.00, 20.70, 66.87
CIE _{LCh}	61, 69.999, 72.799
Yxy	29.2481, 0.5014, 0.4400
Android (android.graphics.Color)	4291658496 (0xFFCD8300)
YUV	138.1920, -68.1287, 58.5906
Hunter-Lab	54.0815, 15.3726, 33.5886

Details

The CIELCh color **61, 69.999, 72.799** 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, 79.847, 295.215**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 67.033, 76.541**, and **41, 54.738, 66.381** is the 20% darker color. If you saturate the color by 10%, you get **61, 70.025, 72.780**, and if you desaturate by 10%, it is **63, 66.785, 75.312**.

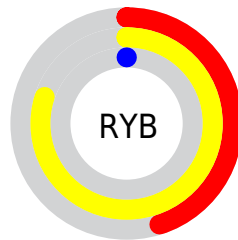
Distribution



Red (80%)

Green (51%)

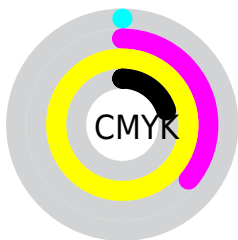
Blue (0%)



Red (45%)

Yellow (80%)

Blue (0%)

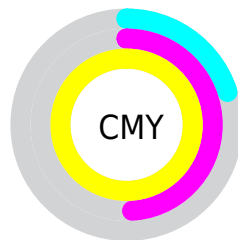


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 69.999, 72.799 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, 69.999, 72.799 by changing the saturation by 10% instead.

61, 69.999, 72.799

61, 69.999, 72.799

100, 69.999,
72.799

51, 69.999, 72.799

81, 69.999, 72.799

41, 69.999, 72.799

91, 69.999, 72.799

31, 69.999, 72.799

21, 69.999, 72.799

11, 69.999, 72.799

1, 69.999, 72.799

0, 69.999, 72.799

61, 69.999, 72.799

61, 69.999, 72.799

61, 70.025, 72.780

63, 66.785, 75.312

65, 61.577, 77.387

67, 54.751, 79.129

69, 47.071, 80.695

71, 39.043, 82.166

73, 30.952, 83.581

75, 22.943, 84.953

78, 15.088, 86.283

80, 7.414, 87.560

Harmonies

Complementary

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



61, 69.999, 72.799



37, 79.847, 295.215

Rectangle

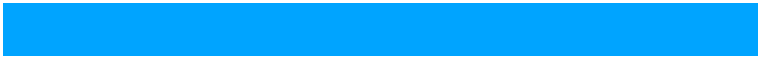
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61, 69.999, 72.799



61, 69.999, 122.799



61, 69.999, 252.799



61, 69.999, 302.799

Sweetspot

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



61, 69.997, 72.802



92, 27.473, 84.889



44, 72.595, 15.269



48, 18.835, 84.308



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, 69.997, 72.802



74, 82.534, 72.347



78, 83.246, 110.979



42, 4.221, 87.624



50, 59.760, 73.292



10, 15.078, 75.422

Inverse Universe

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



37, 79.847, 295.215



45, 95.455, 295.731



26, 112.669, 306.748



40, 4.207, 270.110



29, 67.126, 294.652



4, 17.714, 280.675

Previews

White Background



This preview shows how the CIELCh color 61, 69.999, 72.799 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, 69.999, 72.799 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, 69.999, 72.799

Background



This preview shows how black text looks on a background with the CIELCh color 61, 69.999, 72.799.



This preview shows how white text looks on a background with the CIELCh color 61, 69.999, 72.799.

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, 69.999, 72.799

Protanopia

61, 62.966, 94.991

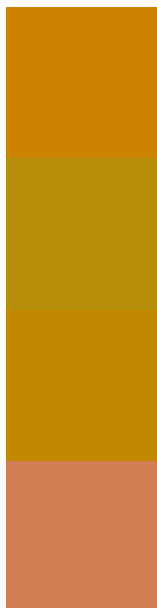
Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 36.634, 15.978

Trichromacy



Original Color
61, 69.999, 72.799

Protanomaly
61, 64.147, 86.348

Deuteranomaly
61, 67.495, 79.269

Tritanomaly
61, 46.035, 52.146

Monochromacy



Original Color
61, 69.999, 72.799

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 29.297, 82.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 69.999, 72.799 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(205, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(205, 131, 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(205, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 131, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 69.999, 72.799 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(205, 131, 0) }
```

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

```
.border{ border-color:rgb(205, 131, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 131, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(205, 131,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 69.999, 72.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 131, 0) }
```

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

```
.background{ background-color: rgb(205,  
131, 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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