

Converting Colors

CIELCh(61, 70.407, 72.462)

Have a look what the booklet for
CIELCh(61, 70.407, 72.462) contains.

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Color

CIELCh(61, 70.265, 72.495)

Conversions

Conversions Part 1

Format	Color
Hex	CE8300
RGB	206, 131, 0
RGB Percent	81%, 51%, 0%
CMY	0.1933, 0.4872, 1.0000
CMYK	0.00, 0.36, 1.00, 0.19
HSL	38°, 100%, 40%
HSV	38°, 100%, 81%
XYZ	33.4556, 29.2481, 3.8682
YIQ	138.4910, 86.7510, -24.8410

Conversions

Conversions Part 2

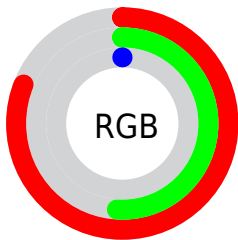
Format	Color
R_{YB}	118, 206, 0
Decimal	13533952
CIE Lab	61.00, 21.13, 67.01
CIE LCh	61, 70.265, 72.495
Yxy	29.2481, 0.5025, 0.4393
Android (android.graphics.Color)	4291724032 (0xFFCE8300)
YUV	138.4910, -68.2761, 59.2054
Hunter-Lab	54.0815, 15.7799, 33.6163

Details

The CIELCh color **61, 70.265, 72.495** 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, 79.694, 295.058**, 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, 55.070, 66.020** is the 20% darker color. If you saturate the color by 10%, you get **61, 70.192, 72.475**, and if you desaturate by 10%, it is **63, 66.955, 75.001**.

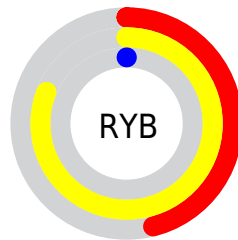
Distribution



Red (81%)

Green (51%)

Blue (0%)



Red (46%)

Yellow (81%)

Blue (0%)

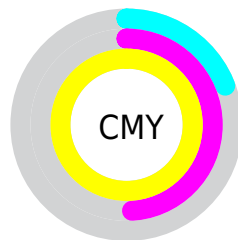


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 70.265, 72.495 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, 70.265, 72.495 by changing the saturation by 10% instead.

61, 70.265, 72.495

61, 70.265, 72.495

100, 70.265,
72.495

51, 70.265, 72.495

81, 70.265, 72.495

41, 70.265, 72.495

91, 70.265, 72.495

31, 70.265, 72.495

21, 70.265, 72.495

11, 70.265, 72.495

1, 70.265, 72.495

0, 70.265, 72.495

61, 70.265, 72.495

61, 70.265, 72.495

61, 70.192, 72.475

63, 66.955, 75.001

65, 61.728, 77.089

67, 54.878, 78.837

69, 47.177, 80.406

71, 39.131, 81.879

73, 31.026, 83.295

75, 23.010, 84.668

78, 15.150, 86.000

80, 7.476, 87.279

Harmonies

Complementary

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



61, 70.265, 72.495



37, 79.694, 295.058

Rectangle

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



61, 70.265, 72.495



61, 70.265, 122.495



61, 70.265, 252.495



61, 70.265, 302.495

Sweetspot

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



61, 70.192, 72.475



91, 27.403, 84.618



44, 72.786, 15.324



48, 18.789, 84.036



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, 70.192, 72.475



74, 82.550, 72.045



78, 83.452, 110.984



42, 4.208, 87.354



50, 59.765, 72.997



10, 15.045, 75.046

Inverse Universe

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



37, 79.694, 295.058



46, 94.951, 295.541



26, 112.967, 306.752



40, 4.193, 269.844



29, 66.770, 294.455



4, 17.659, 280.513

Previews

White Background



This preview shows how the CIELCh color 61, 70.265, 72.495 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, 70.265, 72.495 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, 70.265, 72.495

Background



This preview shows how black text looks on a background with the CIELCh color 61, 70.265, 72.495.



This preview shows how white text looks on a background with the CIELCh color 61, 70.265, 72.495.

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, 70.265, 72.495

Protanopia

61, 62.966, 94.991

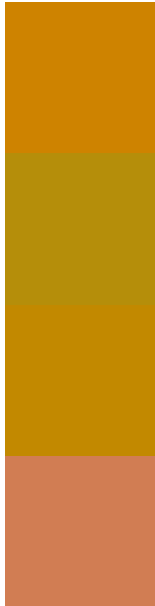
Deuteranopia

61, 66.371, 83.273



Tritanopia
61, 37.088, 16.970

Trichromacy



Original Color
61, 70.265, 72.495

Protanomaly
61, 64.147, 86.348

Deuteranomaly
61, 67.495, 79.269

Tritanomaly
61, 46.432, 51.892

Monochromacy



Original Color
61, 70.265, 72.495

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 29.503, 81.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 70.265, 72.495 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(206, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 131, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 70.265, 72.495 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(206, 131, 0) }
```

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

```
.border{ border-color:rgb(206, 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(206, 131, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 131,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 70.265, 72.495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 131, 0) }
```

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

```
.background{ background-color: rgb(206,  
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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