

# Converting Colors

CIELCh(62, 70.740, 72.430)

Have a look what the booklet for  
CIELCh(62, 70.740, 72.430) contains.

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# Color

**CIELCh(62, 70.740, 72.413)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D18502
RGB	209, 133, 2
RGB Percent	82%, 52%, 1%
CMY	0.1797, 0.4778, 0.9909
CMYK	0.00, 0.36, 0.99, 0.18
HSL	38°, 98%, 41%
HSV	38°, 99%, 82%
XYZ	34.7658, 30.4025, 4.1025
YIQ	140.7900, 87.3470, -24.6290

# Conversions

## Conversions Part 2

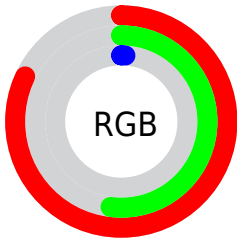
Format	Color
R <sub>Y</sub> B	122, 209, 2
Decimal	13731074
CIE Lab	62.00, 21.37, 67.43
CIE LCh	62, 70.740, 72.413
Yxy	30.4025, 0.5019, 0.4389
Android (android.graphics.Color)	4291921154 (0xFFD18502)
YUV	140.7900, -68.4235, 59.8202
Hunter-Lab	55.1385, 16.0551, 34.1855

# Details

The CIELCh color **62, 70.740, 72.413** 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 **38, 79.382, 294.514**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 66.504, 77.274**, and **42, 55.544, 66.505** is the 20% darker color. If you saturate the color by 10%, you get **62, 71.091, 72.135**, and if you desaturate by 10%, it is **64, 67.335, 74.946**.

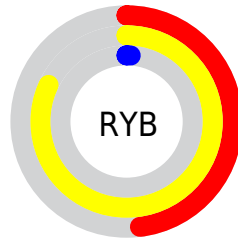
# Distribution



Red (82%)

Green (52%)

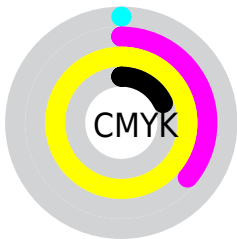
Blue (1%)



Red (48%)

Yellow (82%)

Blue (1%)

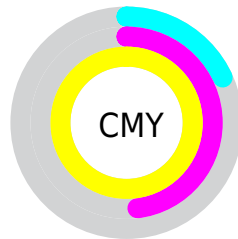


Cyan (0%)

Magenta (36%)

Yellow (99%)

Black (18%)



Cyan (18%)

Magenta (48%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 70.740, 72.413 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 62, 70.740, 72.413 by changing the saturation by 10% instead.



62, 70.740, 72.413

62, 70.740, 72.413

100, 70.740,  
72.413

52, 70.740, 72.413

82, 70.740, 72.413

42, 70.740, 72.413

92, 70.740, 72.413

32, 70.740, 72.413

22, 70.740, 72.413

12, 70.740, 72.413

2, 70.740, 72.413

0, 70.740, 72.413

62, 70.740, 72.413

62, 70.740, 72.413

62, 71.091, 72.135

64, 67.335, 74.946

66, 61.799, 76.998

68, 54.716, 78.727

70, 46.846, 80.285

72, 38.674, 81.753

75, 30.470, 83.167

77, 22.371, 84.538

79, 14.441, 85.867

82, 6.703, 87.140

# Harmonies

# Complementary

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



62, 70.740, 72.413



38, 79.382, 294.514

# Rectangle

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



62, 70.740, 72.413



62, 70.740, 122.413



62, 70.740, 252.413



62, 70.740, 302.413

# Sweetspot

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



62, 70.738, 72.416



91, 27.334, 84.341



45, 73.077, 13.220



48, 18.743, 83.758



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



62, 70.738, 72.416



74, 82.568, 71.739



80, 84.042, 109.965



43, 4.282, 87.076



50, 60.451, 72.658



11, 16.398, 74.779





# Inverse Universe

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



38, 79.382, 294.514



46, 94.440, 295.345



26, 113.996, 306.600



41, 4.265, 269.576



30, 67.247, 294.300



5, 19.027, 281.434



# Previews

## White Background



This preview shows how the CIELCh color 62, 70.740, 72.413 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 CIE LCh color 62, 70.740, 72.413 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 62, 70.740, 72.413

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 70.740, 72.413.



This preview shows how white text looks on a background with the CIELCh color 62, 70.740, 72.413.

# 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

62, 70.740, 72.413

### Protanopia

62, 63.967, 95.138

### Deuteranopia

62, 67.241, 83.611



**Tritanopia**  
62, 37.359, 16.188



# Trichromacy



**Original Color**  
62, 70.740, 72.413

**Protanomaly**  
62, 65.083, 86.650

**Deuteranomaly**  
62, 68.115, 79.150

**Tritanomaly**  
62, 46.663, 51.663

# Monochromacy



**Original Color**  
62, 70.740, 72.413

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
59, 29.382, 81.878

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 70.740, 72.413 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(209, 133, 2)` looks like.

```
.text, #text, p{  
    color:rgb(209, 133, 2)  
}
```

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(209, 133, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 133, 2) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 70.740, 72.413 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(209, 133, 2) }
```

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

```
.border{ border-color:rgb(209, 133, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 133, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 133, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 133, 2);  
box-shadow:4px 4px 4px 4px rgb(209, 133,  
2) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 70.740, 72.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 133, 2) }
```

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

```
.background{ background-color: rgb(209,  
133, 2) }
```

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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