

# Converting Colors

CIELCh(37, 74.091, 42.882)

Have a look what the booklet for  
CIELCh(37, 74.091, 42.882) contains.

<b>CIELCh(37, 74.148, 42.919)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	11
<i><b>Previews</b></i>	20
<i><b>Color Blindness Simulation</b></i>	23
<i><b>CSS Examples</b></i>	26

# Color

**CIELCh(37, 74.148, 42.919)**

# Conversions

Conversions Part 1	
Format	Color
Hex	AB1E00
RGB	171, 30, 0
RGB Percent	67%, 12%, 0%
CMY	0.3305, 0.8836, 1.0000
CMYK	0.00, 0.83, 1.00, 0.33
HSL	10°, 100%, 33%
HSV	10°, 100%, 67%
XYZ	17.1881, 9.5379, 0.9299
YIQ	68.7390, 93.6660, 20.5620

# Conversions

## Conversions Part 2

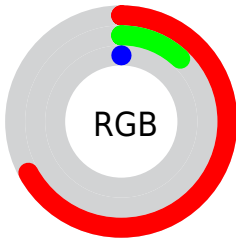
Format	Color
<a href="#">RYB</a>	<a href="#">171, 36, 0</a>
Decimal	<a href="#">11214336</a>
CIELab	<a href="#">37.00, 54.30, 50.49</a>
CIELCh	<a href="#">37, 74.148, 42.919</a>
Yxy	<a href="#">9.5379, 0.6215, 0.3449</a>
Android (android.graphics.Color)	<a href="#">4289404416</a> (0xFFAB1E00)
YUV	<a href="#">68.7390, -33.8883, 89.6829</a>
Hunter-Lab	<a href="#">30.8835, 45.2972, 19.8332</a>

# Details

The CIELCh color **37, 74.148, 42.919** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **54, 32.253, 229.639**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 74.446, 42.914**, and **21, 53.487, 36.780** is the 20% darker color. If you saturate the color by 10%, you get **37, 74.097, 42.879**, and if you desaturate by 10%, it is **39, 67.415, 41.940**.

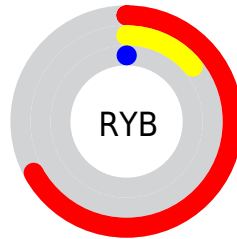
# Distribution



Red (67%)

Green (12%)

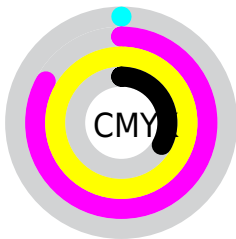
Blue (0%)



Red (67%)

Yellow (14%)

Blue (0%)

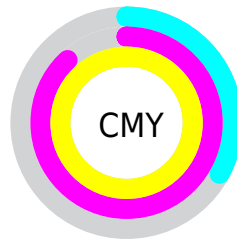


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (88%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 74.148, 42.919 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 37, 74.148, 42.919 by changing the saturation by 10% instead.



 37, 74.148, 42.919

 37, 74.148, 42.919

 100, 74.148,  
42.919

 27, 74.148, 42.919

 57, 74.148, 42.919

 17, 74.148, 42.919

 67, 74.148, 42.919

 7, 74.148, 42.919

 77, 74.148, 42.919

 0, 74.148, 42.919

 87, 74.148, 42.919

 97, 74.148, 42.919

 37, 74.148, 42.919

 37, 74.148, 42.919

 37, 74.097, 42.879

 39, 67.415, 41.940

 41, 59.420, 40.802

 44, 50.766, 39.527

 47, 42.136, 38.425

 50, 33.839, 37.584

 54, 26.017, 36.998

 58, 18.729, 36.631

 62, 11.980, 36.434

 66, 5.749, 36.349

# Harmonies

# Complementary

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



37, 74.148, 42.919



54, 32.253, 229.639

# Rectangle

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



37, 74.148, 42.919



37, 74.148, 92.919



37, 74.148, 222.919



37, 74.148, 272.919

# Sweetspot

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



37, 74.097, 42.879



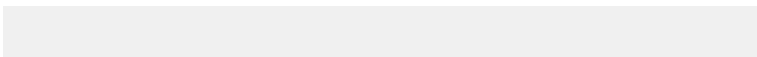
73, 23.229, 36.645



39, 75.179, 336.140



37, 16.247, 36.777



95, 0.011, 296.813



47, 0.006, 296.813



# Same Dimension

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



37, 74.097, 42.879



48, 90.592, 42.496



53, 61.110, 75.825



33, 3.207, 36.343



32, 66.135, 42.872



2, 5.750, 33.808





# Inverse Universe

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



54, 32.253, 229.639



69, 39.234, 230.312



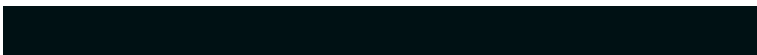
29, 71.973, 296.384



35, 3.027, 216.736



47, 29.018, 229.202



4, 5.491, 222.992



# Previews

## White Background



This preview shows how the CIELCh color 37, 74.148, 42.919 looks on a white 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

# Black Background



This preview shows how the CIELCh color 37, 74.148, 42.919 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

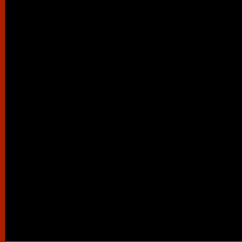
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 37, 74.148, 42.919**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 37, 74.148, 42.919.



This preview shows how white text looks on a background with the CIELCh color 37, 74.148, 42.919.

# 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

37, 74.148, 42.919

### Protanopia

38, 38.679, 95.610

### Deuteranopia

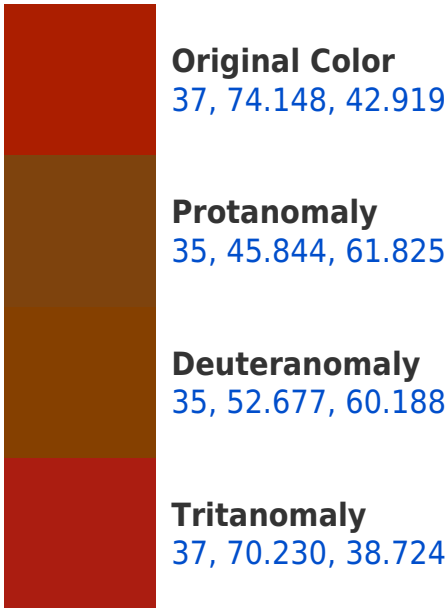
37, 45.869, 84.409



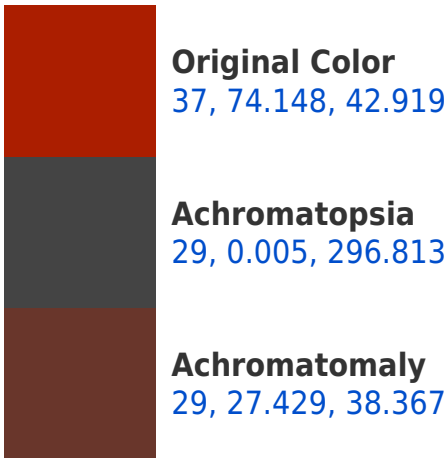
**Tritanopia**  
37, 67.640, 35.214



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 37, 74.148, 42.919 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(171, 30, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 30, 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(171, 30, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 30, 0) }
```

## Border

The CSS property to change the border of an element to CIELCh 37, 74.148, 42.919 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(171, 30, 0) }
```

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

```
.border{ border-color:rgb(171, 30, 0) }
```

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

Here you see how a box with a 4 pixel rgb(171, 30, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 30, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 30, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 30, 0)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 37, 74.148, 42.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(171, 30, 0) }
```

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

```
.background{ background-color:rgb(171, 30,  
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](#).

Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor