

Converting Colors

CIELCh(74, 72.861, 70.596)

Have a look what the booklet for
CIELCh(74, 72.861, 70.596) contains.

CIELCh(74, 72.914, 70.754)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(74, 72.914, 70.754)

Conversions

Conversions Part 1

Format	Color
Hex	FBA32E
RGB	251, 163, 46
RGB Percent	98%, 64%, 18%
CMY	0.0173, 0.3621, 0.8211
CMYK	0.00, 0.35, 0.82, 0.02
HSL	34°, 96%, 58%
HSV	34°, 82%, 98%
XYZ	53.1631, 46.7039, 8.7580
YIQ	175.9740, 90.0050, -17.7310

Conversions

Conversions Part 2

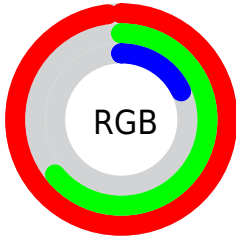
Format	Color
R _Y B	200, 251, 46
Decimal	16491310
CIE Lab	74.00, 24.03, 68.84
CIE LCh	74, 72.914, 70.754
Yxy	46.7039, 0.4894, 0.4300
Android (android.graphics.Color)	4294681390 (0xFFFB32E)
YUV	175.9740, -64.0772, 65.7978
Hunter-Lab	68.3403, 19.2628, 40.2400

Details

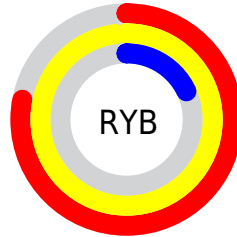
The CIELCh color **74, 72.914, 70.754** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **57, 67.423, 283.522**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 60.590, 90.141**, and **54, 66.263, 68.165** is the 20% darker color. If you saturate the color by 10%, you get **71, 79.118, 68.410**, and if you desaturate by 10%, it is **77, 64.709, 72.611**.

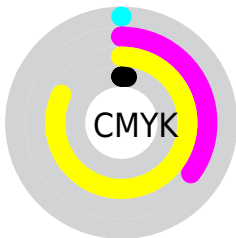
Distribution



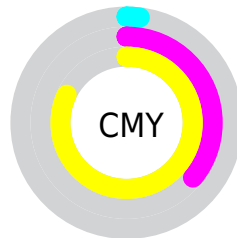
- Red (98%)
- Green (64%)
- Blue (18%)



- Red (78%)
- Yellow (98%)
- Blue (18%)



- Cyan (0%)
- Magenta (35%)
- Yellow (82%)
- Black (2%)



- Cyan (2%)
- Magenta (36%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 72.914, 70.754 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 74, 72.914, 70.754 by changing the saturation by 10% instead.

 74, 72.914, 70.754

 74, 72.914, 70.754

 100, 72.914,
70.754

 64, 72.914, 70.754

 94, 72.914, 70.754


 54, 72.914, 70.754

 44, 72.914, 70.754

 34, 72.914, 70.754

 24, 72.914, 70.754

 14, 72.914, 70.754

 4, 72.914, 70.754

 0, 72.914, 70.754

 74, 72.914, 70.754

 74, 72.914, 70.754

71, 79.118, 68.410

77, 64.709, 72.611

70, 82.352, 66.015

79, 55.535, 74.215

82, 46.052, 75.697

85, 36.613, 77.119

88, 27.386, 78.501

91, 18.444, 79.849

95, 9.803, 81.152

98, 1.459, 82.220

100, 1.527,
199.742

Harmonies

Complementary

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



74, 72.914, 70.754



57, 67.423, 283.522

Rectangle

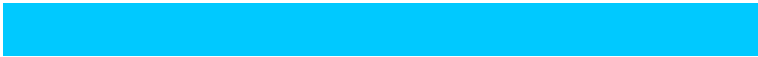
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 72.914, 70.754



74, 72.914, 120.754



74, 72.914, 250.754



74, 72.914, 300.754

Sweetspot

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



74, 72.913, 70.757



92, 21.580, 79.418



56, 78.414, 1.449



48, 14.815, 78.944



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 72.913, 70.757



71, 82.697, 66.564



95, 90.008, 106.907



51, 4.694, 81.442



53, 66.418, 66.687



16, 26.022, 68.902

Inverse Universe

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



57, 67.423, 283.522



51, 82.814, 290.345



37, 117.932, 304.919



49, 4.638, 264.028



37, 66.199, 290.346



10, 26.048, 284.053

Previews

White Background



This preview shows how the CIELCh color 74, 72.914, 70.754 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 CIELCh color 74, 72.914, 70.754 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 74, 72.914, 70.754

Background



This preview shows how black text looks on a background with the CIELCh color 74, 72.914, 70.754.



This preview shows how white text looks on a background with the CIELCh color 74, 72.914, 70.754.

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

74, 72.914, 70.754

Protanopia

74, 65.726, 95.253

Deuteranopia

74, 70.168, 82.040



Tritanopia
74, 40.781, 15.290

Trichromacy



Original Color
74, 72.914, 70.754

Protanomaly
74, 66.745, 85.755

Deuteranomaly
74, 70.586, 77.820

Tritanomaly
74, 46.706, 46.445

Monochromacy



Original Color
74, 72.914, 70.754

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 26.600, 77.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 72.914, 70.754 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(251, 163, 46)` looks like.

```
.text, #text, p{  
    color:rgb(251, 163, 46)  
}
```

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(251, 163, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 163, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 72.914, 70.754 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(251, 163, 46) }
```

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

```
.border{ border-color:rgb(251, 163, 46) }
```

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

Here you see how a box with a 4 pixel rgb(251, 163, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 163, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 163, 46);  
box-shadow:4px 4px 4px 4px rgb(251, 163,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 72.914, 70.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 163, 46) }
```

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

```
.background{ background-color: rgb(251,  
163, 46) }
```

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