

Converting Colors

CIELCh(74, 72.275, 67.760)

Have a look what the booklet for
CIELCh(74, 72.275, 67.760) contains.

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Color

CIELCh(74, 72.184, 67.663)

Conversions

Conversions Part 1

Format	Color
Hex	FFA034
RGB	255, 160, 52
RGB Percent	100%, 63%, 20%
CMY	0.0000, 0.3722, 0.7957
CMYK	0.00, 0.37, 0.80, 0.00
HSL	32°, 100%, 60%
HSV	32°, 80%, 100%
XYZ	54.4901, 46.7039, 9.4037
YIQ	176.0930, 91.2880, -13.4480

Conversions

Conversions Part 2

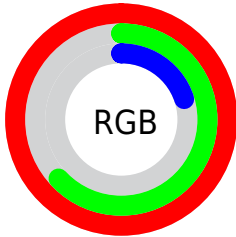
Format	Color
R_{YB}	231, 255, 52
Decimal	16752692
CIE _{Lab}	74.00, 27.43, 66.77
CIE _{LCh}	74, 72.184, 67.663
Yxy	46.7039, 0.4927, 0.4223
Android (android.graphics.Color)	4294942772 (0xFFFFA034)
YUV	176.0930, -61.1778, 69.2014
Hunter-Lab	68.3403, 22.7288, 39.6799

Details

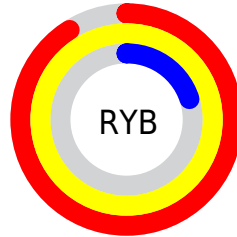
The CIELCh color **74, 72.184, 67.663** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **61, 62.158, 279.072**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 57.562, 88.284**, and **54, 67.435, 65.873** is the 20% darker color. If you saturate the color by 10%, you get **71, 79.486, 65.521**, and if you desaturate by 10%, it is **77, 63.176, 69.410**.

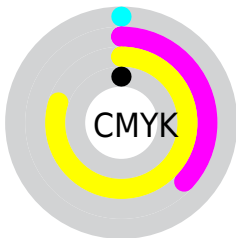
Distribution



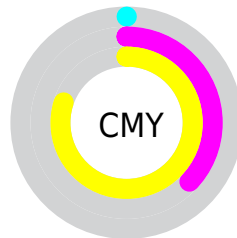
- Red (100%)
- Green (63%)
- Blue (20%)



- Red (91%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (37%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (37%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 72.184, 67.663 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, 72.184, 67.663 by changing the saturation by 10% instead.

74, 72.184, 67.663

74, 72.184, 67.663

100, 72.184,
67.663

64, 72.184, 67.663

94, 72.184, 67.663

54, 72.184, 67.663

44, 72.184, 67.663

34, 72.184, 67.663

24, 72.184, 67.663

14, 72.184, 67.663

4, 72.184, 67.663

0, 72.184, 67.663

74, 72.184, 67.663

74, 72.184, 67.663

71, 79.486, 65.521

77, 63.176, 69.410

69, 84.296, 62.644

80, 53.548, 70.909

69, 84.489, 62.520

83, 43.834, 72.313

86, 34.315, 73.672

90, 25.114, 75.006

93, 16.272, 76.313

97, 7.789, 77.576

100, 0.012,
296.813

Harmonies

Complementary

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



74, 72.184, 67.663



61, 62.158, 279.072

Rectangle

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



74, 72.184, 67.663



74, 72.184, 117.663



74, 72.184, 247.663



74, 72.184, 297.663

Sweetspot

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



74, 72.149, 67.694



92, 20.147, 75.737



58, 79.431, 356.681



48, 13.945, 75.270



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, 72.149, 67.694



70, 82.355, 64.022



97, 89.723, 104.268



51, 4.628, 77.583



52, 67.857, 63.219



17, 27.036, 65.067

Inverse Universe

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



61, 62.158, 279.072



54, 74.452, 285.827



39, 117.250, 304.108



50, 4.548, 260.159



40, 62.158, 287.190



11, 25.156, 280.898

Previews

White Background



This preview shows how the CIELCh color 74, 72.184, 67.663 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, 72.184, 67.663 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, 72.184, 67.663

Background



This preview shows how black text looks on a background with the CIELCh color 74, 72.184, 67.663.



This preview shows how white text looks on a background with the CIELCh color 74, 72.184, 67.663.

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, 72.184, 67.663

Protanopia

74, 63.139, 95.577

Deuteranopia

74, 68.139, 82.007



Tritanopia
74, 40.809, 16.036

Trichromacy



Original Color
74, 72.184, 67.663

Protanomaly
74, 64.283, 84.488

Deuteranomaly
74, 68.853, 76.533

Tritanomaly
74, 47.055, 44.363

Monochromacy



Original Color
74, 72.184, 67.663

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 25.944, 73.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 72.184, 67.663 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(255, 160, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 52)  
}
```

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(255, 160, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 72.184, 67.663 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(255, 160, 52) }
```

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

```
.border{ border-color:rgb(255, 160, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 72.184, 67.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 52) }
```

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

```
.background{ background-color: rgb(255,  
160, 52) }
```

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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