

Converting Colors

CIELCh(74, 75.505, 69.198)

Have a look what the booklet for
CIELCh(74, 75.505, 69.198) contains.

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Color

CIELCh(74, 75.498, 68.950)

Conversions

Conversions Part 1

Format	Color
Hex	FFA029
RGB	255, 160, 41
RGB Percent	100%, 63%, 16%
CMY	0.0000, 0.3716, 0.8381
CMYK	0.00, 0.37, 0.84, 0.00
HSL	33°, 100%, 58%
HSV	33°, 84%, 100%
XYZ	54.3657, 46.7039, 8.2740
YIQ	174.8390, 94.8190, -16.8690

Conversions

Conversions Part 2

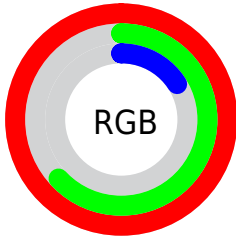
Format	Color
R _Y B	212, 255, 41
Decimal	16752681
CIE Lab	74.00, 27.12, 70.46
CIE LCh	74, 75.498, 68.950
Yxy	46.7039, 0.4972, 0.4271
Android (android.graphics.Color)	4294942761 (0xFFFFA029)
YUV	174.8390, -65.9826, 70.3012
Hunter-Lab	68.3403, 22.4040, 40.6599

Details

The CIELCh color **74, 75.498, 68.950** 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, 68.384, 283.130**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 61.502, 88.961**, and **54, 67.435, 65.873** is the 20% darker color. If you saturate the color by 10%, you get **71, 81.338, 66.531**, and if you desaturate by 10%, it is **77, 67.263, 70.944**.

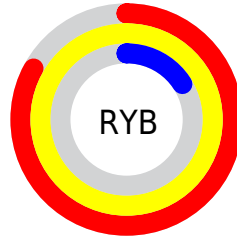
Distribution



Red (100%)

Green (63%)

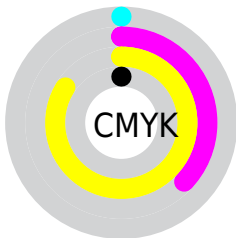
Blue (16%)



Red (83%)

Yellow (100%)

Blue (16%)

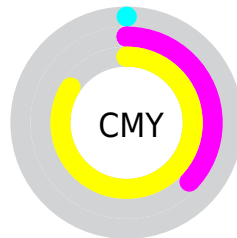


Cyan (0%)

Magenta (37%)

Yellow (84%)

Black (0%)



Cyan (0%)

Magenta (37%)

Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 75.498, 68.950 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, 75.498, 68.950 by changing the saturation by 10% instead.

 74, 75.498, 68.950

 74, 75.498, 68.950

 100, 75.498,
68.950

 64, 75.498, 68.950

 94, 75.498, 68.950

 54, 75.498, 68.950

 44, 75.498, 68.950

 34, 75.498, 68.950

 24, 75.498, 68.950

 14, 75.498, 68.950

 4, 75.498, 68.950

 0, 75.498, 68.950

 74, 75.498, 68.950

 74, 75.498, 68.950

71, 81.338, 66.531

77, 67.263, 70.944

70, 83.798, 64.676

80, 57.997, 72.566

82, 48.360, 74.049

86, 38.755, 75.464

89, 29.374, 76.841

92, 20.298, 78.186

95, 11.548, 79.494

99, 3.118, 80.690

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, 75.498, 68.950



57, 68.384, 283.130

Rectangle

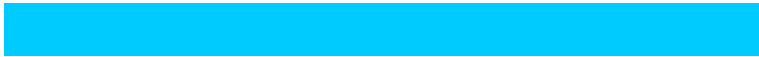
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 75.498, 68.950



74, 75.498, 118.950



74, 75.498, 248.950



74, 75.498, 298.950

Sweetspot

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



74, 75.413, 69.026



92, 21.365, 78.027



57, 80.592, 0.813



48, 14.674, 77.557



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, 75.413, 69.026



70, 83.798, 64.676



96, 92.235, 105.963



51, 4.716, 80.036



54, 67.344, 65.359



17, 27.115, 67.523

Inverse Universe

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



57, 68.384, 283.130



51, 82.369, 290.020



37, 122.082, 305.060



50, 4.651, 262.626



38, 65.143, 289.249



11, 26.276, 283.161

Previews

White Background



This preview shows how the CIELCh color 74, 75.498, 68.950 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, 75.498, 68.950 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, 75.498, 68.950

Background



This preview shows how black text looks on a background with the CIELCh color 74, 75.498, 68.950.



This preview shows how white text looks on a background with the CIELCh color 74, 75.498, 68.950.

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, 75.498, 68.950

Protanopia

74, 67.059, 95.286

Deuteranopia

74, 71.817, 82.353



Tritanopia
74, 40.809, 16.036

Trichromacy



Original Color
74, 75.498, 68.950

Protanomaly
74, 68.019, 85.141

Deuteranomaly
74, 72.657, 77.189

Tritanomaly
74, 48.283, 46.385

Monochromacy



Original Color
74, 75.498, 68.950

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 28.041, 77.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 75.498, 68.950 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 75.498, 68.950 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, 41) }
```

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

```
.border{ border-color:rgb(255, 160, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 75.498, 68.950 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, 41) }
```

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

```
.background{ background-color: rgb(255,  
160, 41) }
```

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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