

Converting Colors

CIELCh(74, 68.429, 65.632)

Have a look what the booklet for
CIELCh(74, 68.429, 65.632) contains.

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Color

CIELCh(74, 68.441, 66.006)

Conversions

Conversions Part 1

Format	Color
Hex	FFA03F
RGB	255, 160, 63
RGB Percent	100%, 63%, 25%
CMY	0.0004, 0.3729, 0.7533
CMYK	0.00, 0.37, 0.75, 0.00
HSL	30°, 100%, 62%
HSV	30°, 75%, 100%
XYZ	54.6465, 46.7039, 10.8229
YIQ	177.3470, 87.7570, -10.0270

Conversions

Conversions Part 2

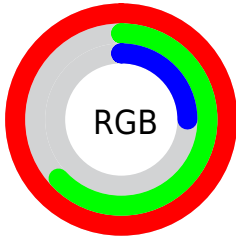
Format	Color
R_{YB}	251, 255, 63
Decimal	16752703
CIE _{Lab}	74.00, 27.83, 62.53
CIE _{LCh}	74, 68.441, 66.006
Yxy	46.7039, 0.4872, 0.4164
Android (android.graphics.Color)	4294942783 (0xFFFFA03F)
YUV	177.3470, -56.3731, 68.1017
Hunter-Lab	68.3403, 23.1374, 38.4486

Details

The CIELCh color **74, 68.441, 66.006** 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 **64, 56.250, 274.543**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 53.503, 87.435**, and **54, 67.752, 65.598** is the 20% darker color. If you saturate the color by 10%, you get **71, 76.944, 64.149**, and if you desaturate by 10%, it is **77, 58.874, 67.530**.

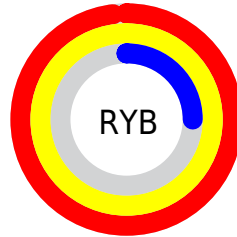
Distribution



Red (100%)

Green (63%)

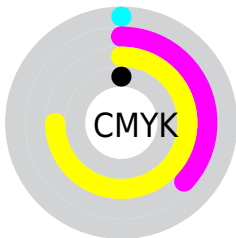
Blue (25%)



Red (98%)

Yellow (100%)

Blue (25%)

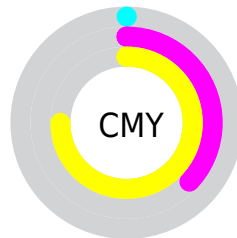


Cyan (0%)

Magenta (37%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (37%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 68.441, 66.006 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, 68.441, 66.006 by changing the saturation by 10% instead.

74, 68.441, 66.006

74, 68.441, 66.006

100, 68.441,
66.006

64, 68.441, 66.006

94, 68.441, 66.006

54, 68.441, 66.006

44, 68.441, 66.006

34, 68.441, 66.006

24, 68.441, 66.006

14, 68.441, 66.006

4, 68.441, 66.006

0, 68.441, 66.006

74, 68.441, 66.006

74, 68.441, 66.006

71, 76.944, 64.149

77, 58.874, 67.530

68, 83.188, 61.607

80, 49.038, 68.904

67, 85.373, 60.222

84, 39.339, 70.221

87, 29.964, 71.516

91, 20.980, 72.795

94, 12.400, 74.052

98, 4.204, 75.233

100, 0.040,
216.162

Harmonies

Complementary

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



74, 68.441, 66.006



64, 56.250, 274.543

Rectangle

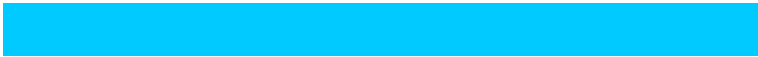
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74, 68.441, 66.006



74, 68.441, 116.006



74, 68.441, 246.006



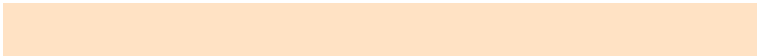
74, 68.441, 296.006

Sweetspot

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



74, 68.440, 66.009



92, 18.961, 73.089



59, 77.624, 354.202



48, 13.236, 72.631



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, 68.440, 66.009



70, 80.253, 63.068



97, 86.810, 103.575



51, 4.541, 74.759



51, 68.544, 60.930



16, 27.009, 62.356

Inverse Universe

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



64, 56.250, 274.543



58, 66.924, 280.985



41, 111.546, 303.131



51, 4.444, 257.302



41, 58.930, 284.702



12, 23.961, 278.189

Previews

White Background



This preview shows how the CIELCh color 74, 68.441, 66.006 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, 68.441, 66.006 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, 68.441, 66.006

Background



This preview shows how black text looks on a background with the CIELCh color 74, 68.441, 66.006.



This preview shows how white text looks on a background with the CIELCh color 74, 68.441, 66.006.

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, 68.441, 66.006

Protanopia

74, 58.714, 95.844

Deuteranopia

74, 63.769, 81.426



Tritanopia
74, 40.809, 16.036

Trichromacy



Original Color
74, 68.441, 66.006

Protanomaly
74, 59.879, 83.999

Deuteranomaly
74, 65.029, 75.349

Tritanomaly
74, 45.894, 42.219

Monochromacy



Original Color
74, 68.441, 66.006

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 23.833, 71.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 68.441, 66.006 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 68.441, 66.006 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, 63) }
```

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

```
.border{ border-color:rgb(255, 160, 63) }
```

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, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 68.441, 66.006 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, 63) }
```

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

```
.background{ background-color: rgb(255,  
160, 63) }
```

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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