

Converting Colors

CIELCh(75, 73.959, 70.114)

Have a look what the booklet for
CIELCh(75, 73.959, 70.114) contains.

CIELCh(75, 73.746, 70.020)	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(75, 73.746, 70.020)

Conversions

Conversions Part 1

Format	Color
Hex	FFA430
RGB	255, 164, 48
RGB Percent	100%, 64%, 19%
CMY	0.0000, 0.3551, 0.8137
CMYK	0.00, 0.36, 0.81, 0.00
HSL	34°, 100%, 59%
HSV	34°, 81%, 100%
XYZ	55.3108, 48.2781, 9.1458
YIQ	177.9850, 91.4720, -16.7840

Conversions

Conversions Part 2

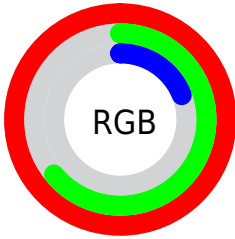
Format	Color
R _Y B	210, 255, 48
Decimal	16753712
CIE Lab	75.00, 25.20, 69.31
CIE LCh	75, 73.746, 70.020
Yxy	48.2781, 0.4906, 0.4282
Android (android.graphics.Color)	4294943792 (0xFFFFA430)
YUV	177.9850, -64.0826, 67.5422
Hunter-Lab	69.4824, 20.4989, 40.8335

Details

The CIELCh color **75, 73.746, 70.020** 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 **58, 67.146, 282.732**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 59.999, 90.498**, and **55, 67.105, 67.760** is the 20% darker color. If you saturate the color by 10%, you get **72, 80.078, 67.834**, and if you desaturate by 10%, it is **78, 65.153, 71.996**.

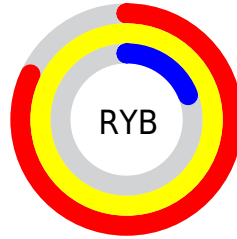
Distribution



Red (100%)

Green (64%)

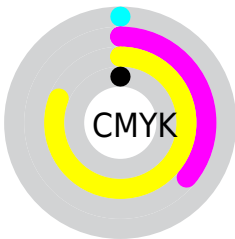
Blue (19%)



Red (82%)

Yellow (100%)

Blue (19%)

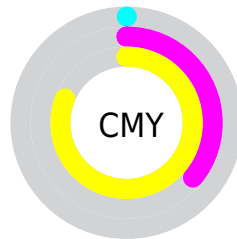


Cyan (0%)

Magenta (36%)

Yellow (81%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 73.746, 70.020 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 75, 73.746, 70.020 by changing the saturation by 10% instead.

 75, 73.746, 70.020

 75, 73.746, 70.020

 100, 73.746,
70.020

 65, 73.746, 70.020

 95, 73.746, 70.020

 55, 73.746, 70.020

 45, 73.746, 70.020

 35, 73.746, 70.020

 25, 73.746, 70.020

 15, 73.746, 70.020

 5, 73.746, 70.020

 0, 73.746, 70.020

 75, 73.746, 70.020

 75, 73.746, 70.020

72, 80.078, 67.834

78, 65.153, 71.996

70, 83.625, 65.304

80, 55.785, 73.584

83, 46.147, 75.056

87, 36.583, 76.468

90, 27.255, 77.845

93, 18.229, 79.187

96, 9.520, 80.486

100, 1.120, 81.466

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.



75, 73.746, 70.020



58, 67.146, 282.732

Rectangle

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



75, 73.746, 70.020



75, 73.746, 120.020



75, 73.746, 250.020



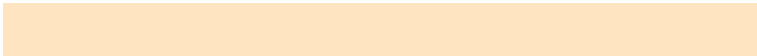
75, 73.746, 300.020

Sweetspot

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



75, 73.597, 70.160



92, 20.571, 78.838



57, 79.560, 359.947



48, 14.225, 78.360



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 73.597, 70.160



71, 82.846, 65.890



96, 90.910, 106.014



51, 4.743, 80.720



54, 67.217, 65.982



17, 27.147, 68.224

Inverse Universe

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



58, 67.146, 282.732



51, 81.671, 289.765



38, 119.232, 304.709



50, 4.681, 263.311



38, 66.006, 289.807



10, 26.603, 283.777

Previews

White Background



This preview shows how the CIELCh color 75, 73.746, 70.020 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 75, 73.746, 70.020 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 75, 73.746, 70.020

Background



This preview shows how black text looks on a background with the CIELCh color 75, 73.746, 70.020.



This preview shows how white text looks on a background with the CIELCh color 75, 73.746, 70.020.

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

75, 73.441, 69.910

Protanopia

75, 65.780, 95.327

Deuteranopia

75, 70.428, 81.829



Tritanopia
75, 39.045, 15.454

Trichromacy



Original Color
75, 73.441, 69.910

Protanomaly
75, 66.780, 85.859

Deuteranomaly
75, 71.075, 77.323

Tritanomaly
75, 46.102, 46.639

Monochromacy



Original Color
75, 73.441, 69.910

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 26.764, 76.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 73.746, 70.020 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, 164, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 48)  
}
```

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, 164, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 73.746, 70.020 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, 164, 48) }
```

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

```
.border{ border-color:rgb(255, 164, 48) }
```

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

Here you see how a box with a 4 pixel rgb(255, 164, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 73.746, 70.020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 48) }
```

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

```
.background{ background-color: rgb(255,  
164, 48) }
```

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