

Converting Colors

CIELCh(72, 67.627, 65.398)

Have a look what the booklet for
CIELCh(72, 67.627, 65.398) contains.

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Color

CIELCh(72, 67.707, 65.212)

Conversions

Conversions Part 1

Format	Color
Hex	F99A3C
RGB	249, 154, 60
RGB Percent	98%, 60%, 24%
CMY	0.0229, 0.3955, 0.7641
CMYK	0.00, 0.38, 0.76, 0.02
HSL	30°, 94%, 61%
HSV	30°, 76%, 98%
XYZ	51.5278, 43.6590, 10.0066
YIQ	171.6890, 86.7940, -9.0940

Conversions

Conversions Part 2

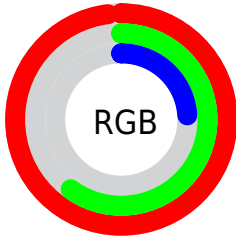
Format	Color
R_{YB}	249, 247, 60
Decimal	16357948
CIE _{Lab}	72.00, 28.39, 61.47
CIE _{LCh}	72, 67.707, 65.212
Yxy	43.6590, 0.4898, 0.4150
Android (android.graphics.Color)	4294548028 (0xFFFF99A3C)
YUV	171.6890, -55.0627, 67.8017
Hunter-Lab	66.0750, 23.5700, 37.2734

Details

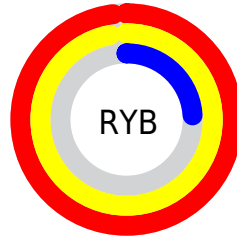
The CIELCh color **72, 67.707, 65.212** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **63, 54.875, 273.869**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 53.341, 84.365**, and **52, 66.430, 64.431** is the 20% darker color. If you saturate the color by 10%, you get **69, 76.082, 63.364**, and if you desaturate by 10%, it is **75, 58.273, 66.715**.

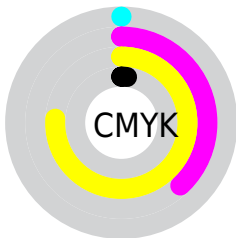
Distribution



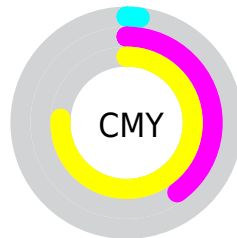
- Red (98%)
- Green (60%)
- Blue (24%)



- Red (98%)
- Yellow (97%)
- Blue (24%)



- Cyan (0%)
- Magenta (38%)
- Yellow (76%)
- Black (2%)



- Cyan (2%)
- Magenta (40%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 67.707, 65.212 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 72, 67.707, 65.212 by changing the saturation by 10% instead.

 72, 67.707, 65.212

 72, 67.707, 65.212

 100, 67.707,
65.212

 62, 67.707, 65.212

 92, 67.707, 65.212

 52, 67.707, 65.212

 42, 67.707, 65.212

 32, 67.707, 65.212

 22, 67.707, 65.212

 12, 67.707, 65.212

 2, 67.707, 65.212

 0, 67.707, 65.212

 72, 67.707, 65.212

 72, 67.707, 65.212

69, 76.082, 63.364

75, 58.273, 66.715

66, 82.206, 60.810

78, 48.577, 68.065

65, 84.188, 59.613

82, 39.025, 69.360

85, 29.802, 70.635

89, 20.977, 71.897

92, 12.558, 73.141

96, 4.528, 74.319

99, 1.825, 209.975

100, 2.022,
199.605

Harmonies

Complementary

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



72, 67.707, 65.212



63, 54.875, 273.869

Rectangle

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



72, 67.707, 65.212



72, 67.707, 115.212



72, 67.707, 245.212



72, 67.707, 295.212

Sweetspot

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



72, 67.706, 65.215



91, 18.880, 72.252



58, 77.050, 353.091



47, 13.182, 71.799



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 67.706, 65.215



69, 81.065, 62.137



94, 84.589, 102.673



50, 4.443, 73.908



50, 68.071, 60.311



15, 25.832, 61.380

Inverse Universe

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



63, 54.875, 273.869



58, 66.643, 280.633



40, 108.607, 302.781



50, 4.343, 256.432



41, 57.367, 283.878



11, 22.843, 276.948

Previews

White Background



This preview shows how the CIELCh color 72, 67.707, 65.212 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 72, 67.707, 65.212 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 72, 67.707, 65.212

Background



This preview shows how black text looks on a background with the CIELCh color 72, 67.707, 65.212.



This preview shows how white text looks on a background with the CIELCh color 72, 67.707, 65.212.

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](#).

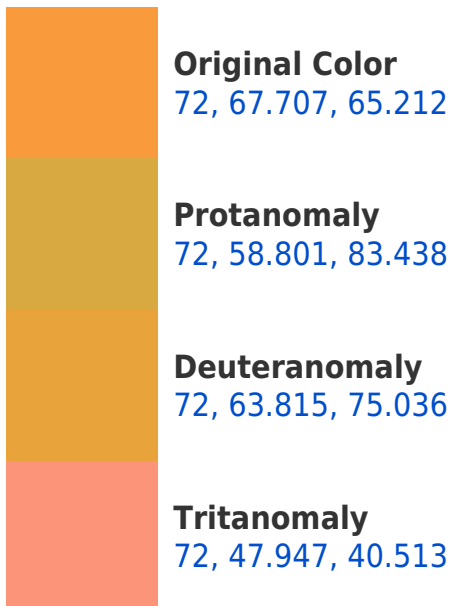
Dichromacy



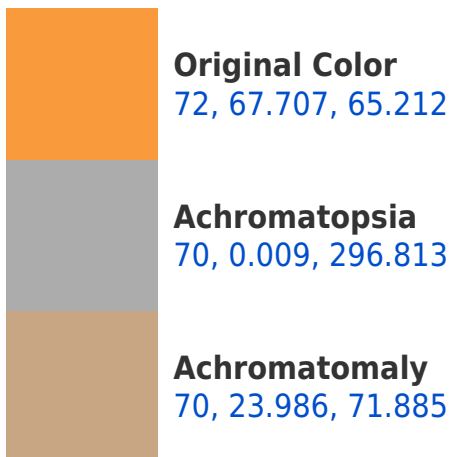


Tritanopia
72, 43.975, 17.053

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 67.707, 65.212 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(249, 154, 60)` looks like.

```
.text, #text, p{  
    color:rgb(249, 154, 60)  
}
```

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(249, 154, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 154, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 67.707, 65.212 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(249, 154, 60) }
```

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

```
.border{ border-color:rgb(249, 154, 60) }
```

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

Here you see how a box with a 4 pixel rgb(249, 154, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 154, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 154, 60);  
box-shadow:4px 4px 4px 4px rgb(249, 154,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 67.707, 65.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 154, 60) }
```

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

```
.background{ background-color: rgb(249,  
154, 60) }
```

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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