

Converting Colors

CIELCh(72, 67.953, 65.417)

Have a look what the booklet for
CIELCh(72, 67.953, 65.417) contains.

CIELCh(72, 68.059, 65.384)	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(72, 68.059, 65.384)

Conversions

Conversions Part 1

Format	Color
Hex	F99A3B
RGB	249, 154, 59
RGB Percent	98%, 60%, 23%
CMY	0.0228, 0.3954, 0.7680
CMYK	0.00, 0.38, 0.76, 0.02
HSL	30°, 94%, 60%
HSV	30°, 76%, 98%
XYZ	51.5134, 43.6590, 9.8726
YIQ	171.5750, 87.1150, -9.4050

Conversions

Conversions Part 2

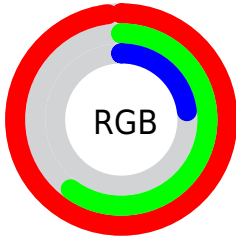
Format	Color
R _Y B	249, 249, 59
Decimal	16357947
CIE Lab	72.00, 28.35, 61.87
CIE LCh	72, 68.059, 65.384
Yxy	43.6590, 0.4904, 0.4156
Android (android.graphics.Color)	4294548027 (0xFFFF99A3B)
YUV	171.5750, -55.4995, 67.9017
Hunter-Lab	66.0750, 23.5311, 37.3937

Details

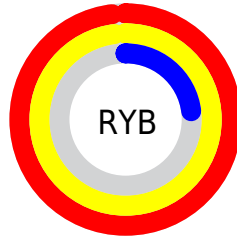
The CIELCh color **72, 68.059, 65.384** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **62, 55.393, 274.319**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 53.792, 84.493**, and **52, 66.430, 64.431** is the 20% darker color. If you saturate the color by 10%, you get **69, 76.337, 63.506**, and if you desaturate by 10%, it is **75, 58.671, 66.906**.

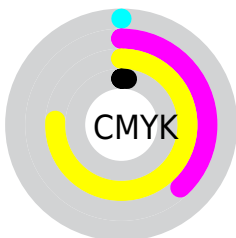
Distribution



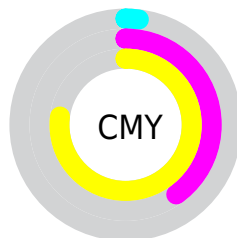
- Red (98%)
- Green (60%)
- Blue (23%)



- Red (98%)
- Yellow (98%)
- Blue (23%)



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



- Cyan (2%)
- Magenta (40%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 68.059, 65.384 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, 68.059, 65.384 by changing the saturation by 10% instead.

 72, 68.059, 65.384

 72, 68.059, 65.384

 100, 68.059,
65.384

 62, 68.059, 65.384

 92, 68.059, 65.384

 52, 68.059, 65.384

 42, 68.059, 65.384

 32, 68.059, 65.384

 22, 68.059, 65.384

 12, 68.059, 65.384

 2, 68.059, 65.384

 0, 68.059, 65.384

 72, 68.059, 65.384

 72, 68.059, 65.384

69, 76.337, 63.506

75, 58.671, 66.906

66, 82.311, 60.908

78, 48.988, 68.269

66, 84.097, 59.829

82, 39.432, 69.573

85, 30.194, 70.854

88, 21.347, 72.123

92, 12.904, 73.372

96, 4.847, 74.560

99, 1.714, 219.456

100, 2.014,
199.607

Harmonies

Complementary

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



72, 68.059, 65.384



62, 55.393, 274.319

Rectangle

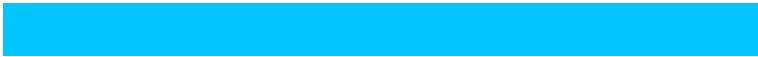
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 68.059, 65.384



72, 68.059, 115.384



72, 68.059, 245.384



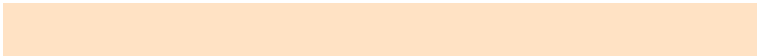
72, 68.059, 295.384

Sweetspot

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



72, 68.058, 65.387



91, 18.906, 72.529



58, 77.270, 353.192



47, 13.200, 72.074



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, 68.058, 65.387



69, 81.604, 62.098



94, 84.870, 102.650



50, 4.451, 74.190



51, 67.997, 60.527



15, 25.831, 61.647

Inverse Universe

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



62, 55.393, 274.319



58, 67.708, 281.365



40, 109.167, 302.865



50, 4.352, 256.719



41, 57.670, 284.137



11, 22.951, 277.229

Previews

White Background



This preview shows how the CIELCh color 72, 68.059, 65.384 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, 68.059, 65.384 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, 68.059, 65.384

Background



This preview shows how black text looks on a background with the CIELCh color 72, 68.059, 65.384.



This preview shows how white text looks on a background with the CIELCh color 72, 68.059, 65.384.

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

72, 68.059, 65.384

Protanopia

72, 58.020, 95.167

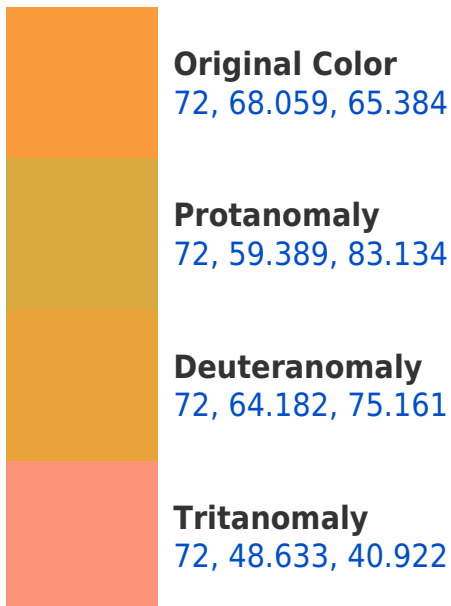
Deuteranopia

72, 63.254, 81.437



Tritanopia
72, 44.775, 16.618

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 68.059, 65.384 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(249, 154, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 154, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 68.059, 65.384 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, 59) }
```

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

```
.border{ border-color:rgb(249, 154, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 154, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 154, 59);  
box-shadow:4px 4px 4px 4px rgb(249, 154,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 68.059, 65.384 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, 59) }
```

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

```
.background{ background-color: rgb(249,  
154, 59) }
```

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