

Converting Colors

CIELCh(81, 90.211, 51.336)

Have a look what the booklet for
CIELCh(81, 90.211, 51.336) contains.

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Color

CIELCh(72, 67.264, 61.457)

Conversions

Conversions Part 1

Format	Color
Hex	FE9742
RGB	254, 151, 66
RGB Percent	100%, 59%, 26%
CMY	0.0038, 0.4071, 0.7404
CMYK	0.00, 0.40, 0.74, 0.00
HSL	27°, 99%, 63%
HSV	27°, 74%, 100%
XYZ	52.9640, 43.6590, 10.8194
YIQ	172.1070, 88.6730, -4.5990

Conversions

Conversions Part 2

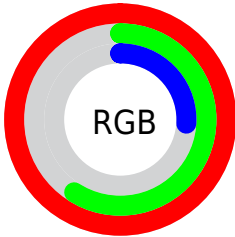
Format	Color
R _Y B	254, 221, 66
Decimal	16684866
CIE Lab	72.00, 32.14, 59.09
CIE LCh	72, 67.264, 61.457
Yxy	43.6590, 0.4930, 0.4063
Android (android.graphics.Color)	4294874946 (0xFFFE9742)
YUV	172.1070, -52.3108, 71.8202
Hunter-Lab	66.0750, 27.4497, 36.5441

Details

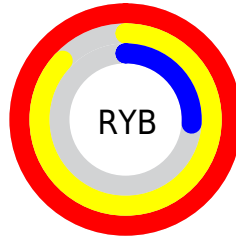
The CIELCh color **72, 67.264, 61.457** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **67, 50.623, 267.876**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 50.387, 81.815**, and **52, 67.575, 61.319** is the 20% darker color. If you saturate the color by 10%, you get **69, 76.586, 59.914**, and if you desaturate by 10%, it is **75, 57.214, 62.717**.

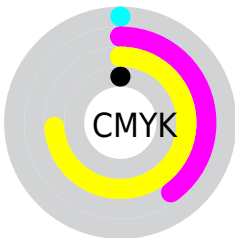
Distribution



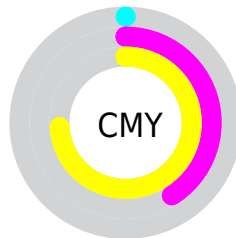
- Red (100%)
- Green (59%)
- Blue (26%)



- Red (100%)
- Yellow (87%)
- Blue (26%)



- Cyan (0%)
- Magenta (40%)
- Yellow (74%)
- Black (0%)



- Cyan (0%)
- Magenta (41%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 67.264, 61.457 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, 67.264, 61.457 by changing the saturation by 10% instead.

72, 67.264, 61.457

72, 67.264, 61.457

100, 67.264,
61.457

62, 67.264, 61.457

92, 67.264, 61.457

52, 67.264, 61.457

42, 67.264, 61.457

32, 67.264, 61.457

22, 67.264, 61.457

12, 67.264, 61.457

2, 67.264, 61.457

0, 67.264, 61.457

72, 67.264, 61.457

72, 67.264, 61.457

69, 76.586, 59.914

75, 57.214, 62.717

66, 83.972, 57.716

79, 47.143, 63.873

64, 87.308, 56.050

82, 37.384, 65.009

86, 28.073, 66.151

90, 19.248, 67.301

94, 10.900, 68.446

98, 2.995, 69.488

100, 0.340,
201.331

Harmonies

Complementary

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



72, 67.264, 61.457



67, 50.623, 267.876

Rectangle

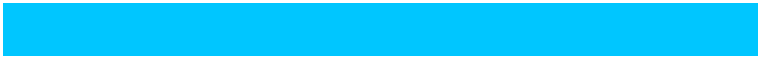
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 67.264, 61.457



72, 67.264, 111.457



72, 67.264, 241.457



72, 67.264, 291.457

Sweetspot

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



72, 67.262, 61.460



91, 17.646, 67.524



60, 78.253, 350.279



47, 11.948, 67.212



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, 67.262, 61.460



68, 80.904, 58.909



95, 82.402, 100.966



51, 4.404, 68.939



49, 70.197, 56.749



15, 27.130, 57.144

Inverse Universe

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



67, 50.623, 267.876



62, 59.923, 274.689



43, 104.022, 301.388



51, 4.275, 251.353



44, 52.938, 279.119



13, 21.790, 272.213

Previews

White Background



This preview shows how the CIELCh color 72, 67.264, 61.457 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, 67.264, 61.457 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, 67.264, 61.457

Background



This preview shows how black text looks on a background with the CIELCh color 72, 67.264, 61.457.

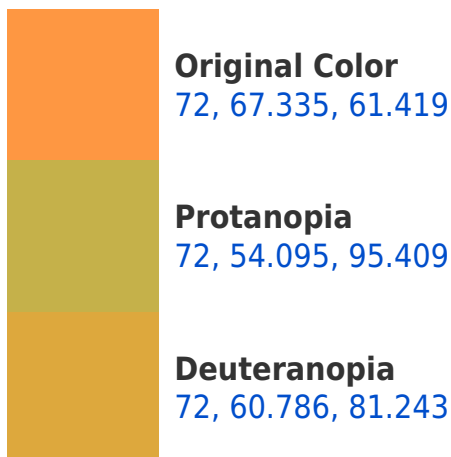


This preview shows how white text looks on a background with the CIELCh color 72, 67.264, 61.457.

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, 44.824, 17.299

Trichromacy



Original Color
72, 67.335, 61.419

Protanomaly
72, 56.114, 81.301

Deuteranomaly
72, 62.111, 73.490

Tritanomaly
72, 49.134, 39.002

Monochromacy



Original Color
72, 67.335, 61.419

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 23.001, 65.020

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 67.264, 61.457 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(254, 151, 66)` looks like.

```
.text, #text, p{  
    color:rgb(254, 151, 66)  
}
```

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(254, 151, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 151, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 67.264, 61.457 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(254, 151, 66) }
```

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

```
.border{ border-color:rgb(254, 151, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 151, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 151, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 151, 66);  
box-shadow:4px 4px 4px 4px rgb(254, 151,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 67.264, 61.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 151, 66) }
```

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

```
.background{ background-color: rgb(254,  
151, 66) }
```

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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