

Converting Colors

CIELCh(71, 66.475, 60.674)

Have a look what the booklet for
CIELCh(71, 66.475, 60.674) contains.

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Color

CIELCh(71, 66.475, 60.674)

Conversions

Conversions Part 1

Format	Color
Hex	FB9442
RGB	251, 148, 66
RGB Percent	98%, 58%, 26%
CMY	0.0148, 0.4188, 0.7404
CMYK	0.00, 0.41, 0.74, 0.01
HSL	27°, 96%, 62%
HSV	27°, 74%, 99%
XYZ	51.4750, 42.1875, 10.6134
YIQ	169.4490, 87.7100, -3.6660

Conversions

Conversions Part 2

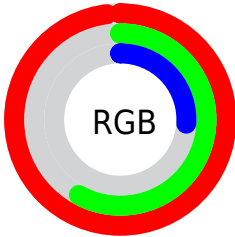
Format	Color
RYB	251, 213, 66
Decimal	16487490
CIELab	71.00, 32.56, 57.96
CIELCh	71, 66.475, 60.674
Yxy	42.1875, 0.4936, 0.4046
Android (android.graphics.Color)	4294677570 (0xFFFB9442)
YUV	169.4490, -51.0004, 71.5202
Hunter-Lab	64.9519, 27.7972, 35.7781

Details

The CIELCh color **71, 66.475, 60.674** 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, 49.288, 266.576**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 49.762, 79.904**, and **51, 66.583, 60.493** is the 20% darker color. If you saturate the color by 10%, you get **68, 75.863, 59.202**, and if you desaturate by 10%, it is **74, 56.428, 61.877**.

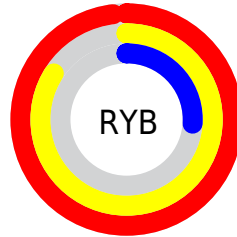
Distribution



Red (98%)

Green (58%)

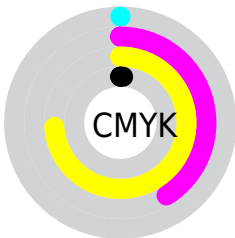
Blue (26%)



Red (98%)

Yellow (84%)

Blue (26%)

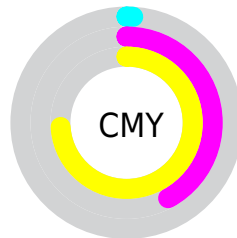


Cyan (0%)

Magenta (41%)

Yellow (74%)

Black (1%)



Cyan (1%)

Magenta (42%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 66.475, 60.674 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 71, 66.475, 60.674 by changing the saturation by 10% instead.

71, 66.475, 60.674

71, 66.475, 60.674

100, 66.475,
60.674

61, 66.475, 60.674

91, 66.475, 60.674

51, 66.475, 60.674

41, 66.475, 60.674

31, 66.475, 60.674

21, 66.475, 60.674

11, 66.475, 60.674

1, 66.475, 60.674

0, 66.475, 60.674

71, 66.475, 60.674

71, 66.475, 60.674

68, 75.863, 59.202

74, 56.428, 61.877

65, 83.403, 57.089

78, 46.404, 62.986

63, 86.982, 55.388

82, 36.717, 64.083

85, 27.495, 65.192

89, 18.769, 66.313

93, 10.527, 67.432

97, 2.735, 68.438

100, 1.310,
199.828

Harmonies

Complementary

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



71, 66.475, 60.674



67, 49.288, 266.576

Rectangle

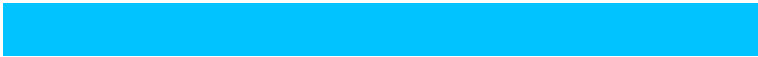
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 66.475, 60.674



71, 66.475, 110.674



71, 66.475, 240.674



71, 66.475, 290.674

Sweetspot

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



71, 66.473, 60.677



91, 17.586, 66.497



59, 78.023, 349.069



47, 11.910, 66.192



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 66.473, 60.677



68, 80.410, 58.375



93, 80.466, 100.040



50, 4.313, 67.885



48, 69.802, 56.098



14, 25.980, 55.981

Inverse Universe

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



67, 49.288, 266.576



63, 58.302, 273.078



44, 100.876, 300.771



50, 4.180, 250.262



44, 51.380, 277.982



13, 20.750, 270.647

Previews

White Background



This preview shows how the CIELCh color 71, 66.475, 60.674 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 71, 66.475, 60.674 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 71, 66.475, 60.674

Background



This preview shows how black text looks on a background with the CIELCh color 71, 66.475, 60.674.



This preview shows how white text looks on a background with the CIELCh color 71, 66.475, 60.674.

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

71, 66.475, 60.674

Protanopia

71, 52.827, 95.222

Deuteranopia

71, 59.679, 80.776



Tritanopia
71, 46.626, 17.847

Trichromacy



Original Color
71, 66.475, 60.674

Protanomaly
71, 54.950, 80.776

Deuteranomaly
71, 61.081, 72.879

Tritanomaly
71, 50.158, 37.716

Monochromacy



Original Color
71, 66.475, 60.674

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 23.065, 64.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 66.475, 60.674 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(251, 148, 66)` looks like.

```
.text, #text, p{  
    color:rgb(251, 148, 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(251, 148, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 148, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 66.475, 60.674 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(251, 148, 66) }
```

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

```
.border{ border-color:rgb(251, 148, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 148, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 148, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 148, 66);  
box-shadow:4px 4px 4px 4px rgb(251, 148,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 66.475, 60.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 148, 66) }
```

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

```
.background{ background-color: rgb(251,  
148, 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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