

Converting Colors

CIELCh(72, 65.227, 49.917)

Have a look what the booklet for
CIELCh(72, 65.227, 49.917) contains.

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Color

CIELCh(71, 60.845, 51.652)

Conversions

Conversions Part 1

Format	Color
Hex	FF9058
RGB	255, 144, 88
RGB Percent	100%, 56%, 35%
CMY	0.0000, 0.4349, 0.6548
CMYK	0.00, 0.43, 0.65, 0.00
HSL	20°, 100%, 67%
HSV	20°, 65%, 100%
XYZ	53.4676, 42.1875, 14.5635
YIQ	170.8050, 84.1320, 6.1160

Conversions

Conversions Part 2

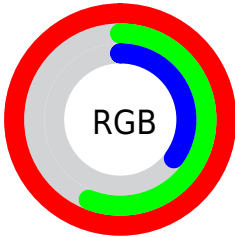
Format	Color
R _Y B	255, 172, 88
Decimal	16748632
CIE Lab	71.00, 37.75, 47.72
CIE LCh	71, 60.845, 51.652
Yxy	42.1875, 0.4851, 0.3828
Android (android.graphics.Color)	4294938712 (0xFFFF9058)
YUV	170.8050, -40.8229, 73.8390
Hunter-Lab	64.9519, 33.2733, 32.1723

Details

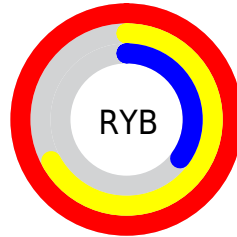
The CIELCh color **71, 60.845, 51.652** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **76, 39.741, 248.071**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 39.249, 71.025**, and **51, 60.338, 51.930** is the 20% darker color. If you saturate the color by 10%, you get **67, 71.408, 51.461**, and if you desaturate by 10%, it is **75, 49.469, 52.300**.

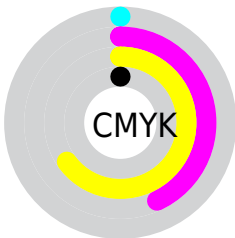
Distribution



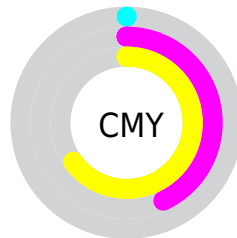
- Red (100%)
- Green (56%)
- Blue (35%)



- Red (100%)
- Yellow (67%)
- Blue (35%)



- Cyan (0%)
- Magenta (43%)
- Yellow (65%)
- Black (0%)



- Cyan (0%)
- Magenta (43%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 60.845, 51.652 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, 60.845, 51.652 by changing the saturation by 10% instead.

 71, 60.845, 51.652

 71, 60.845, 51.652

 100, 60.845,
51.652

 61, 60.845, 51.652

 91, 60.845, 51.652

 51, 60.845, 51.652

 41, 60.845, 51.652

 31, 60.845, 51.652

 21, 60.845, 51.652

 11, 60.845, 51.652

 1, 60.845, 51.652

 0, 60.845, 51.652

 71, 60.845, 51.652

 71, 60.845, 51.652

67, 71.408, 51.461

75, 49.469, 52.300

64, 81.894, 50.788

79, 39.109, 52.785

61, 90.341, 49.382

83, 29.388, 53.361

60, 93.395, 48.563

88, 20.328, 54.018

93, 11.903, 54.733

97, 4.062, 55.424

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.



71, 60.845, 51.652



76, 39.741, 248.071

Rectangle

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



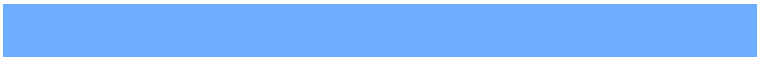
71, 60.845, 51.652



71, 60.845, 101.652



71, 60.845, 231.652



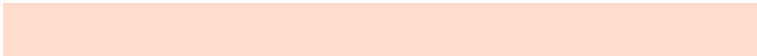
71, 60.845, 281.652

Sweetspot

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



71, 60.345, 51.887



91, 15.636, 54.405



64, 77.448, 341.636



47, 10.779, 54.205



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, 60.345, 51.887



66, 75.225, 51.271



90, 69.128, 94.673



51, 4.278, 55.165



45, 74.748, 49.178



13, 28.108, 46.643

Inverse Universe

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



76, 39.741, 248.071



72, 45.258, 253.303



54, 79.613, 294.638



51, 4.081, 236.958



51, 41.984, 262.635



16, 18.037, 255.401

Previews

White Background



This preview shows how the CIELCh color 71, 60.845, 51.652 looks on a white background.

Color Contrast Check

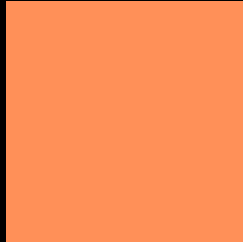
Large Text (above 18pt) WCAG AA × Fail

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, 60.845, 51.652 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, 60.845, 51.652

Background



This preview shows how black text looks on a background with the CIELCh color 71, 60.845, 51.652.

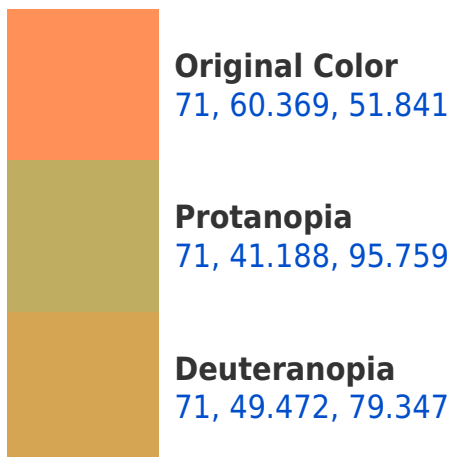


This preview shows how white text looks on a background with the CIELCh color 71, 60.845, 51.652.

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
71, 47.145, 18.631

Trichromacy



Original Color
71, 60.369, 51.841

Protanomaly
70, 44.141, 75.516

Deuteranomaly
70, 51.716, 67.422

Tritanomaly
71, 49.677, 33.192

Monochromacy



Original Color
71, 60.369, 51.841

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 20.290, 52.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 60.845, 51.652 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, 144, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 88)  
}
```

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, 144, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 60.845, 51.652 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, 144, 88) }
```

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

```
.border{ border-color:rgb(255, 144, 88) }
```

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

Here you see how a box with a 4 pixel rgb(255, 144, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 60.845, 51.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 88) }
```

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

```
.background{ background-color: rgb(255,  
144, 88) }
```

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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