

Converting Colors

CIELCh(68, 69.844, 51.328)

Have a look what the booklet for
CIELCh(68, 69.844, 51.328) contains.

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Color

CIELCh(68, 69.501, 51.484)

Conversions

Conversions Part 1

Format	Color
Hex	FF8344
RGB	255, 131, 68
RGB Percent	100%, 51%, 27%
CMY	0.0000, 0.4875, 0.7348
CMYK	0.00, 0.49, 0.73, 0.00
HSL	20°, 100%, 63%
HSV	20°, 73%, 100%
XYZ	50.6428, 37.9720, 10.0707
YIQ	160.8940, 94.1270, 6.6950

Conversions

Conversions Part 2

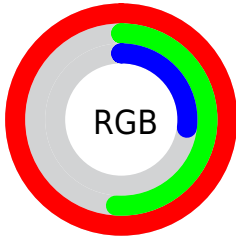
Format	Color
R _Y B	255, 163, 68
Decimal	16745284
CIE Lab	68.00, 43.28, 54.38
CIE LCh	68, 69.501, 51.484
Yxy	37.9720, 0.5132, 0.3848
Android (android.graphics.Color)	4294935364 (0xFFFF8344)
YUV	160.8940, -45.7967, 82.5310
Hunter-Lab	61.6215, 38.8603, 33.4453

Details

The CIELCh color **68, 69.501, 51.484** is a light color, and the websafe version is hex **FF6633**. The color can be described as light washed orange. A complement of this color would be **74, 43.140, 251.118**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 46.971, 67.927**, and **48, 69.072, 51.861** is the 20% darker color. If you saturate the color by 10%, you get **64, 79.876, 51.007**, and if you desaturate by 10%, it is **72, 58.125, 52.024**.

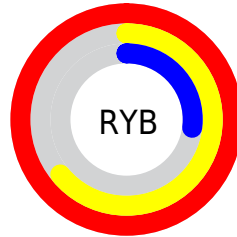
Distribution



Red (100%)

Green (51%)

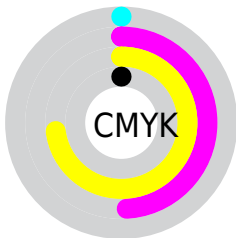
Blue (27%)



Red (100%)

Yellow (64%)

Blue (27%)

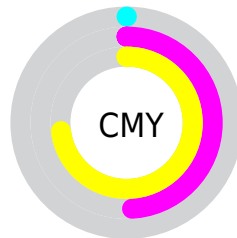


Cyan (0%)

Magenta (49%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (49%)

Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 69.501, 51.484 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 68, 69.501, 51.484 by changing the saturation by 10% instead.

 68, 69.501, 51.484

 68, 69.501, 51.484

 100, 69.501,
51.484

 58, 69.501, 51.484

 88, 69.501, 51.484

 48, 69.501, 51.484

 98, 69.501, 51.484

 38, 69.501, 51.484

 28, 69.501, 51.484

 18, 69.501, 51.484

 8, 69.501, 51.484

 0, 69.501, 51.484

 68, 69.501, 51.484

 68, 69.501, 51.484

 64, 79.876, 51.007

 72, 58.125, 52.024

61, 88.872, 49.792

76, 47.339, 52.452

60, 93.361, 48.597

80, 37.105, 52.959

84, 27.519, 53.557

89, 18.590, 54.232

94, 10.287, 54.956

98, 2.557, 55.581

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.



68, 69.501, 51.484



74, 43.140, 251.118

Rectangle

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



68, 69.501, 51.484



68, 69.501, 101.484



68, 69.501, 231.484



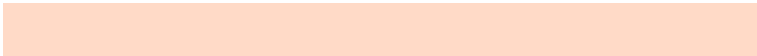
68, 69.501, 281.484

Sweetspot

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



68, 69.188, 51.607



90, 17.327, 54.336



61, 83.289, 342.747



46, 11.760, 54.145



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 69.188, 51.607



63, 84.262, 50.570



89, 75.715, 93.724



51, 4.278, 55.243



45, 74.721, 49.213



13, 28.101, 46.696

Inverse Universe

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



74, 43.140, 251.118



69, 48.566, 257.571



49, 90.496, 296.916



51, 4.081, 237.041



51, 42.034, 262.744



16, 18.053, 255.508

Previews

White Background



This preview shows how the CIELCh color 68, 69.501, 51.484 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 68, 69.501, 51.484 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 68, 69.501, 51.484

Background



This preview shows how black text looks on a background with the CIELCh color 68, 69.501, 51.484.



This preview shows how white text looks on a background with the CIELCh color 68, 69.501, 51.484.

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

68, 69.020, 51.646

Protanopia

68, 47.352, 95.543

Deuteranopia

68, 56.222, 81.224



Tritanopia
68, 53.202, 20.890

Trichromacy



Original Color
68, 69.020, 51.646

Protanomaly
67, 50.659, 74.763

Deuteranomaly
68, 58.781, 68.726

Tritanomaly
68, 56.789, 34.598

Monochromacy



Original Color
68, 69.020, 51.646

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 23.123, 53.692

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 69.501, 51.484 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, 131, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 68)  
}
```

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, 131, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 69.501, 51.484 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, 131, 68) }
```

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

```
.border{ border-color:rgb(255, 131, 68) }
```

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

Here you see how a box with a 4 pixel rgb(255, 131, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 69.501, 51.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 68) }
```

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

```
.background{ background-color: rgb(255,  
131, 68) }
```

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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