

Converting Colors

CIELCh(69, 70.770, 55.088)

Have a look what the booklet for
CIELCh(69, 70.770, 55.088) contains.

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Color

CIELCh(69, 70.394, 55.284)

Conversions

Conversions Part 1

Format	Color
Hex	FF883E
RGB	255, 136, 62
RGB Percent	100%, 53%, 24%
CMY	0.0000, 0.4657, 0.7559
CMYK	0.00, 0.47, 0.76, 0.00
HSL	23°, 100%, 62%
HSV	23°, 76%, 100%
XYZ	51.0636, 39.3444, 9.4946
YIQ	163.1450, 94.6780, 2.2140

Conversions

Conversions Part 2

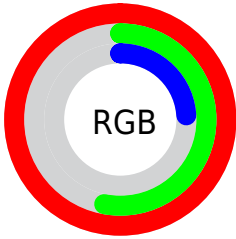
Format	Color
R _{YB}	255, 182, 62
Decimal	16746558
CIE Lab	69.00, 40.09, 57.86
CIE LCh	69, 70.394, 55.284
Yxy	39.3444, 0.5111, 0.3938
Android (android.graphics.Color)	4294936638 (0xFFFF883E)
YUV	163.1450, -49.8645, 80.5568
Hunter-Lab	62.7251, 35.5454, 34.9329

Details

The CIELCh color **69, 70.394, 55.284** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **70, 46.704, 259.312**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 49.611, 72.836**, and **49, 70.367, 55.278** is the 20% darker color. If you saturate the color by 10%, you get **66, 80.238, 54.210**, and if you desaturate by 10%, it is **72, 59.639, 56.172**.

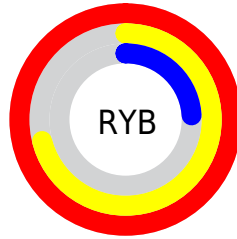
Distribution



Red (100%)

Green (53%)

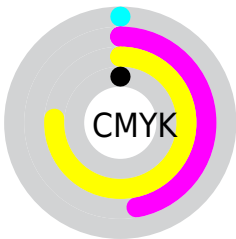
Blue (24%)



Red (100%)

Yellow (71%)

Blue (24%)

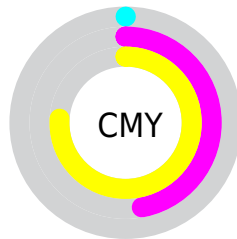


Cyan (0%)

Magenta (47%)

Yellow (76%)

Black (0%)



Cyan (0%)

Magenta (47%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 70.394, 55.284 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 69, 70.394, 55.284 by changing the saturation by 10% instead.

69, 70.394, 55.284

69, 70.394, 55.284

100, 70.394,
55.284

59, 70.394, 55.284

89, 70.394, 55.284

49, 70.394, 55.284

99, 70.394, 55.284

39, 70.394, 55.284

29, 70.394, 55.284

19, 70.394, 55.284

9, 70.394, 55.284

0, 70.394, 55.284

69, 70.394, 55.284

69, 70.394, 55.284

66, 80.238, 54.210

72, 59.639, 56.172

63, 88.115, 52.338

76, 49.079, 56.938

62, 90.897, 51.341

80, 38.951, 57.730

84, 29.388, 58.573

89, 20.422, 59.465

93, 12.031, 60.388

97, 4.174, 61.271

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.



69, 70.394, 55.284



70, 46.704, 259.312

Rectangle

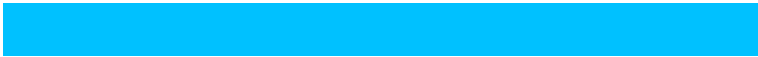
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 70.394, 55.284



69, 70.394, 105.284



69, 70.394, 235.284



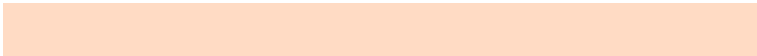
69, 70.394, 285.284

Sweetspot

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



69, 70.283, 55.339



90, 18.193, 59.702



60, 82.164, 346.167



46, 12.747, 59.372



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 70.283, 55.339



64, 84.863, 53.327



92, 79.927, 96.815



51, 4.299, 60.945



47, 72.781, 52.007



14, 27.602, 50.757

Inverse Universe

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



70, 46.704, 259.312



65, 53.790, 266.552



45, 99.247, 299.527



51, 4.129, 243.050



48, 46.042, 270.206



15, 19.384, 262.966

Previews

White Background



This preview shows how the CIELCh color 69, 70.394, 55.284 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 69, 70.394, 55.284 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 69, 70.394, 55.284

Background



This preview shows how black text looks on a background with the CIELCh color 69, 70.394, 55.284.



This preview shows how white text looks on a background with the CIELCh color 69, 70.394, 55.284.

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](#).

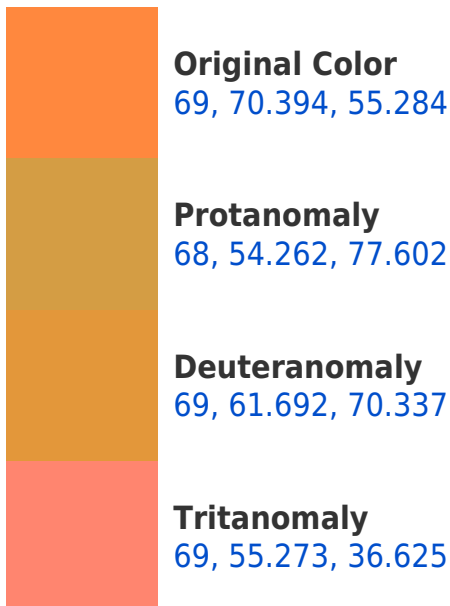
Dichromacy





Tritanopia
69, 50.891, 20.267

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 70.394, 55.284 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, 136, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 62)  
}
```

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, 136, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 70.394, 55.284 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, 136, 62) }
```

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

```
.border{ border-color:rgb(255, 136, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 70.394, 55.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 62) }
```

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

```
.background{ background-color: rgb(255,  
136, 62) }
```

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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