

Converting Colors

CIELCh(72, 79.278, 51.578)

Have a look what the booklet for
CIELCh(72, 79.278, 51.578) contains.

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Color

CIELCh(69, 70.515, 54.855)

Conversions

Conversions Part 1

Format	Color
Hex	FF883F
RGB	255, 136, 63
RGB Percent	100%, 53%, 25%
CMY	0.0000, 0.4675, 0.7539
CMYK	0.00, 0.47, 0.75, 0.00
HSL	23°, 100%, 62%
HSV	23°, 75%, 100%
XYZ	51.2530, 39.3444, 9.5599
YIQ	163.2590, 94.3570, 2.5250

Conversions

Conversions Part 2

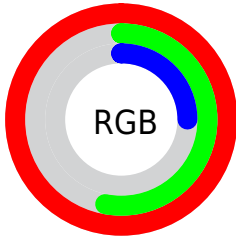
Format	Color
R _{YB}	255, 181, 63
Decimal	16746559
CIE _{Lab}	69.00, 40.59, 57.66
CIE _{LCh}	69, 70.515, 54.855
Y _{xy}	39.3444, 0.5117, 0.3928
Android (android.graphics.Color)	4294936639 (0xFFFF883F)
YUV	163.2590, -49.4277, 80.4569
Hunter-Lab	62.7251, 36.0843, 34.8712

Details

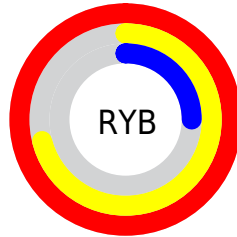
The CIELCh color **69, 70.515, 54.855** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **71, 46.349, 258.629**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 49.175, 72.584**, and **49, 69.996, 55.044** is the 20% darker color. If you saturate the color by 10%, you get **66, 80.189, 53.937**, and if you desaturate by 10%, it is **72, 59.478, 55.820**.

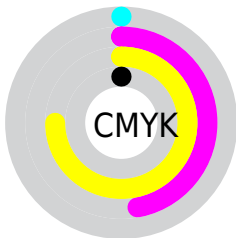
Distribution



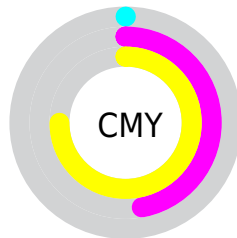
- Red (100%)
- Green (53%)
- Blue (25%)



- Red (100%)
- Yellow (71%)
- Blue (25%)



- Cyan (0%)
- Magenta (47%)
- Yellow (75%)
- Black (0%)



- Cyan (0%)
- Magenta (47%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 70.515, 54.855 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, 70.515, 54.855 by changing the saturation by 10% instead.

69, 70.515, 54.855

69, 70.515, 54.855

100, 70.515,
54.855

59, 70.515, 54.855

89, 70.515, 54.855

49, 70.515, 54.855

99, 70.515, 54.855

39, 70.515, 54.855

29, 70.515, 54.855

19, 70.515, 54.855

9, 70.515, 54.855

0, 70.515, 54.855

69, 70.515, 54.855

69, 70.515, 54.855

66, 80.189, 53.937

72, 59.478, 55.820

63, 88.174, 52.121

76, 48.898, 56.559

61, 91.105, 51.090

80, 38.761, 57.327

84, 29.199, 58.150

89, 20.238, 59.025

93, 11.859, 59.932

98, 4.015, 60.797

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, 70.515, 54.855



71, 46.349, 258.629

Rectangle

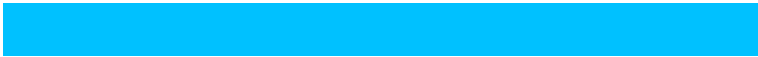
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 70.515, 54.855



69, 70.515, 104.855



69, 70.515, 234.855



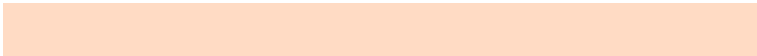
69, 70.515, 284.855

Sweetspot

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



69, 70.162, 55.021



90, 18.185, 59.240



60, 82.814, 345.073



46, 12.743, 58.915



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, 70.162, 55.021



64, 84.228, 53.225



91, 78.865, 95.753



51, 4.296, 60.461



47, 72.943, 51.753



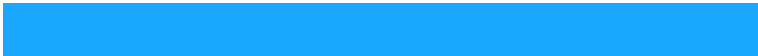
14, 27.639, 50.398

Inverse Universe

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



71, 46.349, 258.629



66, 52.958, 265.446



46, 97.023, 298.836



51, 4.123, 242.543



48, 45.673, 269.613



15, 19.259, 262.364

Previews

White Background



This preview shows how the CIELCh color 69, 70.515, 54.855 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, 70.515, 54.855 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, 70.515, 54.855

Background



This preview shows how black text looks on a background with the CIELCh color 69, 70.515, 54.855.



This preview shows how white text looks on a background with the CIELCh color 69, 70.515, 54.855.

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

69, 70.056, 55.053

Protanopia

69, 51.424, 95.932

Deuteranopia

69, 59.369, 81.290



Tritanopia
69, 51.260, 19.797

Trichromacy



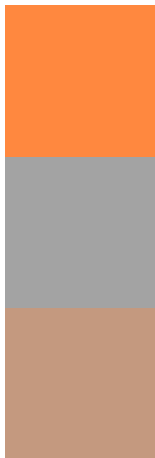
Original Color
69, 70.056, 55.053

Protanomaly
68, 53.839, 77.441

Deuteranomaly
69, 61.692, 70.337

Tritanomaly
69, 55.522, 36.110

Monochromacy



Original Color
69, 70.056, 55.053

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 23.400, 57.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 70.515, 54.855 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 70.515, 54.855 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, 63) }
```

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

```
.border{ border-color:rgb(255, 136, 63) }
```

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, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 70.515, 54.855 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, 63) }
```

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

```
.background{ background-color: rgb(255,  
136, 63) }
```

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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