

Converting Colors

CIELCh(68, 73.512, 55.949)

Have a look what the booklet for
CIELCh(68, 73.512, 55.949) contains.

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Color

CIELCh(68, 73.477, 55.724)

Conversions

Conversions Part 1

Format	Color
Hex	FE8435
RGB	254, 132, 53
RGB Percent	100%, 52%, 21%
CMY	0.0026, 0.4812, 0.7911
CMYK	0.00, 0.48, 0.79, 0.00
HSL	24°, 99%, 60%
HSV	24°, 79%, 100%
XYZ	49.9340, 37.9720, 8.0990
YIQ	159.4720, 98.0710, 1.2950

Conversions

Conversions Part 2

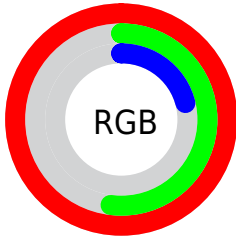
Format	Color
R _Y B	254, 183, 53
Decimal	16679989
CIE Lab	68.00, 41.38, 60.72
CIE LCh	68, 73.477, 55.724
Yxy	37.9720, 0.5201, 0.3955
Android (android.graphics.Color)	4294870069 (0xFFFE8435)
YUV	159.4720, -52.4907, 82.9011
Hunter-Lab	61.6215, 36.8073, 35.3425

Details

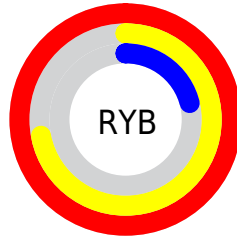
The CIELCh color **68, 73.477, 55.724** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **69, 48.881, 262.130**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 53.042, 72.379**, and **48, 71.346, 54.323** is the 20% darker color. If you saturate the color by 10%, you get **65, 82.769, 54.327**, and if you desaturate by 10%, it is **71, 63.063, 56.697**.

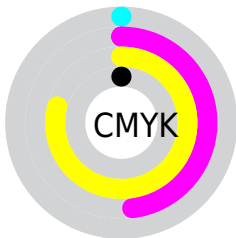
Distribution



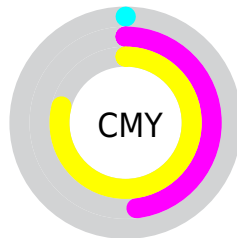
- Red (100%)
- Green (52%)
- Blue (21%)



- Red (100%)
- Yellow (72%)
- Blue (21%)



- Cyan (0%)
- Magenta (48%)
- Yellow (79%)
- Black (0%)



- Cyan (0%)
- Magenta (48%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 73.477, 55.724 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, 73.477, 55.724 by changing the saturation by 10% instead.

 68, 73.477, 55.724

 68, 73.477, 55.724

 100, 73.477,
55.724

 58, 73.477, 55.724

 88, 73.477, 55.724

 48, 73.477, 55.724

 98, 73.477, 55.724

 38, 73.477, 55.724

 28, 73.477, 55.724

 18, 73.477, 55.724

 8, 73.477, 55.724

 0, 73.477, 55.724

 68, 73.477, 55.724

 68, 73.477, 55.724

 65, 82.769, 54.327

 71, 63.063, 56.697

62, 89.651, 52.115

75, 52.507, 57.534

62, 90.255, 51.914

79, 42.275, 58.366

83, 32.561, 59.238

87, 23.424, 60.155

91, 14.861, 61.107

96, 6.835, 62.057

100, 0.231,
202.264

Harmonies

Complementary

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



68, 73.477, 55.724



69, 48.881, 262.130

Rectangle

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



68, 73.477, 55.724



68, 73.477, 105.724



68, 73.477, 235.724



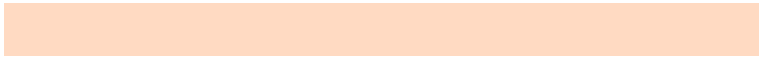
68, 73.477, 285.724

Sweetspot

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



68, 73.475, 55.727



89, 19.069, 60.633



59, 83.756, 346.832



46, 13.256, 60.295



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, 73.475, 55.727



63, 87.328, 53.086



91, 82.054, 96.480



51, 4.308, 62.015



47, 72.422, 52.582



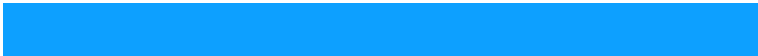
14, 27.522, 51.564

Inverse Universe

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



69, 48.881, 262.130



64, 56.577, 269.908



43, 103.854, 300.442



51, 4.143, 244.170



47, 46.879, 271.497



14, 19.669, 264.282

Previews

White Background



This preview shows how the CIELCh color 68, 73.477, 55.724 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, 73.477, 55.724 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, 73.477, 55.724

Background



This preview shows how black text looks on a background with the CIELCh color 68, 73.477, 55.724.



This preview shows how white text looks on a background with the CIELCh color 68, 73.477, 55.724.

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, 73.477, 55.724

Protanopia

68, 54.615, 95.502

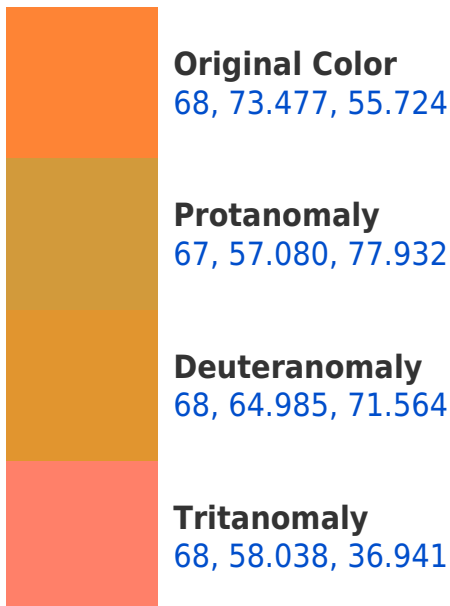
Deuteranopia

68, 63.002, 82.057



Tritanopia
68, 53.202, 20.890

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 73.477, 55.724 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(254, 132, 53)` looks like.

```
.text, #text, p{  
    color:rgb(254, 132, 53)  
}
```

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(254, 132, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 132, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 73.477, 55.724 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(254, 132, 53) }
```

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

```
.border{ border-color:rgb(254, 132, 53) }
```

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

Here you see how a box with a 4 pixel rgb(254, 132, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 132, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 132, 53);  
box-shadow:4px 4px 4px 4px rgb(254, 132,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 73.477, 55.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 132, 53) }
```

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

```
.background{ background-color: rgb(254,  
132, 53) }
```

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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