

# Converting Colors

CIELCh(68, 91.859, 42.182)

Have a look what the booklet for  
CIELCh(68, 91.859, 42.182) contains.

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# **Color**

**CIELCh(62, 78.182, 43.804)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE6437
RGB	254, 100, 55
RGB Percent	100%, 39%, 22%
CMY	0.0049, 0.6081, 0.7841
CMYK	0.00, 0.61, 0.78, 0.00
HSL	14°, 99%, 61%
HSV	14°, 78%, 100%
XYZ	46.0240, 30.4025, 7.0645
YIQ	140.9160, 106.2290, 18.6530

# Conversions

## Conversions Part 2

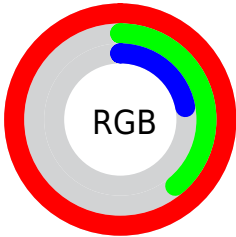
<b>Format</b>	<b>Color</b>
<b>RYB</b>	254, 113, 55
Decimal	16671799
CIELab	62.00, 56.42, 54.12
CIELCh	62, 78.182, 43.804
Yxy	30.4025, 0.5512, 0.3641
Android (android.graphics.Color)	4294861879 (0xFFFE6437)
YUV	140.9160, -42.3566, 99.1747
Hunter-Lab	55.1385, 52.5014, 31.0005

# Details

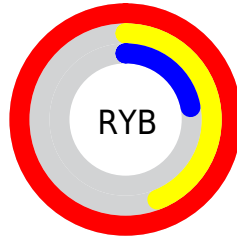
The CIELCh color **62, 78.182, 43.804** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **78, 41.168, 233.575**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **74, 52.995, 52.541**, and **42, 78.058, 43.821** is the 20% darker color. If you saturate the color by 10%, you get **59, 89.029, 44.272**, and if you desaturate by 10%, it is **66, 66.441, 43.110**.

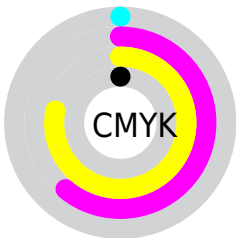
# Distribution



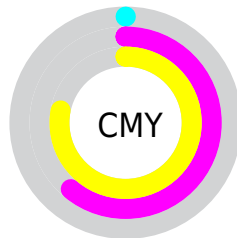
- Red (100%)
- Green (39%)
- Blue (22%)



- Red (100%)
- Yellow (44%)
- Blue (22%)



- Cyan (0%)
- Magenta (61%)
- Yellow (78%)
- Black (0%)



- Cyan (0%)
- Magenta (61%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 78.182, 43.804 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 62, 78.182, 43.804 by changing the saturation by 10% instead.



62, 78.182, 43.804

62, 78.182, 43.804

100, 78.182,  
43.804

52, 78.182, 43.804

82, 78.182, 43.804

42, 78.182, 43.804

92, 78.182, 43.804

32, 78.182, 43.804

22, 78.182, 43.804

12, 78.182, 43.804

2, 78.182, 43.804

0, 78.182, 43.804

62, 78.182, 43.804

62, 78.182, 43.804

59, 89.029, 44.272

66, 66.441, 43.110

56, 97.207, 43.894

70, 54.795, 42.507

56, 98.413, 43.843

74, 43.667, 42.099

79, 33.234, 41.894

84, 23.550, 41.866

90, 14.606, 41.976

95, 6.358, 42.159

100, 0.434,  
200.904

# Harmonies

# Complementary

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



62, 78.182, 43.804



78, 41.168, 233.575

# Rectangle

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



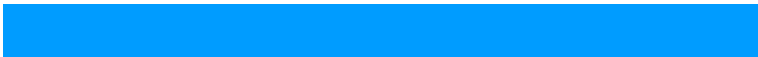
62, 78.182, 43.804



62, 78.182, 93.804



62, 78.182, 223.804



62, 78.182, 273.804

# Sweetspot

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



62, 78.179, 43.807



88, 18.794, 41.910



60, 92.277, 336.992



45, 13.206, 41.876



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



62, 78.179, 43.807



58, 94.482, 44.176



83, 73.889, 84.174



50, 4.394, 42.139



43, 79.093, 44.290



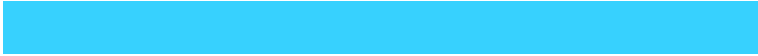
12, 29.599, 38.716



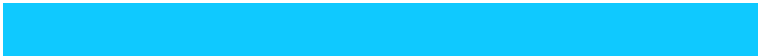


# Inverse Universe

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



78, 41.168, 233.575



75, 44.100, 239.495



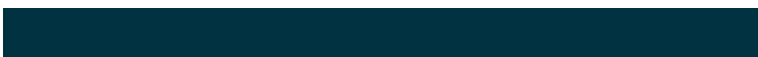
51, 82.274, 292.553



52, 4.145, 223.008



57, 36.015, 241.286



18, 16.274, 235.398



# Previews

## White Background



This preview shows how the CIELCh color 62, 78.182, 43.804 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 62, 78.182, 43.804 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 62, 78.182, 43.804

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 78.182, 43.804.



This preview shows how white text looks on a background with the CIELCh color 62, 78.182, 43.804.

# 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

62, 78.286, 43.823

### Protanopia

62, 44.400, 95.230

### Deuteranopia

62, 56.818, 82.354



**Tritanopia**  
62, 67.964, 25.875



# Trichromacy



**Original Color**  
62, 78.286, 43.823

**Protanomaly**  
61, 50.106, 67.161

**Deuteranomaly**  
61, 61.010, 63.892

**Tritanomaly**  
62, 71.137, 33.485

# Monochromacy



**Original Color**  
62, 78.286, 43.823

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
58, 26.307, 41.540

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 78.182, 43.804 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, 100, 55)` looks like.

```
.text, #text, p{  
    color:rgb(254, 100, 55)  
}
```

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, 100, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 100, 55) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 78.182, 43.804 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, 100, 55) }
```

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

```
.border{ border-color:rgb(254, 100, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 100, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 100, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 100, 55);  
box-shadow:4px 4px 4px 4px rgb(254, 100,  
55) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 78.182, 43.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 100, 55) }
```

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

```
.background{ background-color: rgb(254,  
100, 55) }
```

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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