

# Converting Colors

CIELCh(62, 82.420, 47.148)

Have a look what the booklet for  
CIELCh(62, 82.420, 47.148) contains.

<b>CIELCh(62, 82.343, 47.069)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(62, 82.343, 47.069)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE6429
RGB	254, 100, 41
RGB Percent	100%, 39%, 16%
CMY	0.0033, 0.6073, 0.8387
CMYK	0.00, 0.61, 0.84, 0.00
HSL	17°, 99%, 58%
HSV	17°, 84%, 100%
XYZ	45.9047, 30.4025, 5.5586
YIQ	139.3200, 110.7230, 14.2990

# Conversions

## Conversions Part 2

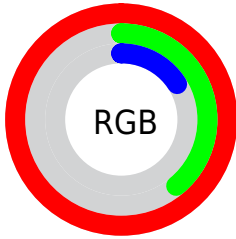
<b>Format</b>	<b>Color</b>
<b>RYB</b>	254, 123, 41
Decimal	16671785
CIELab	62.00, 56.09, 60.29
CIElCh	62, 82.343, 47.069
Yxy	30.4025, 0.5607, 0.3714
Android (android.graphics.Color)	4294861865 (0xFFFE6429)
YUV	139.3200, -48.4718, 100.5744
Hunter-Lab	55.1385, 52.1150, 32.6198

# Details

The CIELCh color **62, 82.343, 47.069** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **74, 43.847, 245.122**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 57.754, 57.101**, and **42, 78.507, 44.185** is the 20% darker color. If you saturate the color by 10%, you get **59, 91.720, 46.493**, and if you desaturate by 10%, it is **65, 71.204, 47.047**.

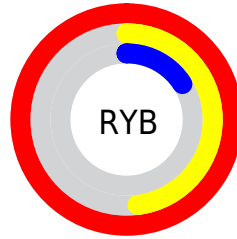
# Distribution



Red (100%)

Green (39%)

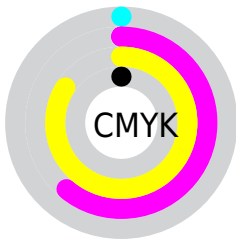
Blue (16%)



Red (100%)

Yellow (48%)

Blue (16%)

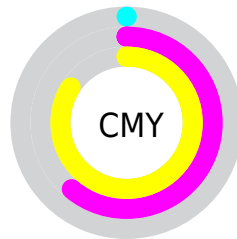


Cyan (0%)

Magenta (61%)

Yellow (84%)

Black (0%)



Cyan (0%)

Magenta (61%)

Yellow (84%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 82.343, 47.069 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, 82.343, 47.069 by changing the saturation by 10% instead.



 62, 82.343, 47.069

 62, 82.343, 47.069

 100, 82.343,  
47.069

 52, 82.343, 47.069

 82, 82.343, 47.069

 42, 82.343, 47.069

 92, 82.343, 47.069

 32, 82.343, 47.069

 22, 82.343, 47.069

 12, 82.343, 47.069

 2, 82.343, 47.069

 0, 82.343, 47.069

 62, 82.343, 47.069

 62, 82.343, 47.069

 59, 91.720, 46.493

 65, 71.204, 47.047

58, 96.150, 45.765

69, 59.726, 46.902

73, 48.574, 46.839

78, 38.028, 46.919

83, 28.189, 47.142

88, 19.067, 47.486

93, 10.629, 47.915

98, 2.822, 48.284

100, 0.291,  
201.661

# Harmonies

# Complementary

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



62, 82.343, 47.069



74, 43.847, 245.122

# Rectangle

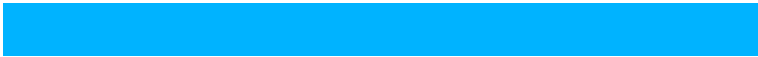
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 82.343, 47.069



62, 82.343, 97.069



62, 82.343, 227.069



62, 82.343, 277.069

# Sweetspot

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



62, 82.340, 47.071



87, 20.164, 47.440



59, 91.751, 340.337



45, 13.953, 47.311



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, 82.340, 47.071



58, 96.397, 45.760



84, 79.132, 87.349



50, 4.312, 48.108



44, 77.147, 46.295



13, 28.867, 42.130





# Inverse Universe

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



74, 43.847, 245.122



71, 47.692, 252.782



46, 95.458, 297.019



51, 4.085, 229.432



54, 38.152, 251.838



17, 16.849, 245.060



# Previews

## White Background



This preview shows how the CIELCh color 62, 82.343, 47.069 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, 82.343, 47.069 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, 82.343, 47.069

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 82.343, 47.069.



This preview shows how white text looks on a background with the CIELCh color 62, 82.343, 47.069.

# 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, 82.343, 47.069

### Protanopia

62, 51.286, 95.179

### Deuteranopia

62, 63.431, 82.433



**Tritanopia**  
62, 67.964, 25.875



# Trichromacy



**Original Color**  
62, 82.343, 47.069

**Protanomaly**  
61, 56.138, 70.559

**Deuteranomaly**  
61, 67.031, 66.510

**Tritanomaly**  
62, 72.428, 35.344

# Monochromacy



**Original Color**  
62, 82.343, 47.069

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
58, 28.150, 47.451

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 82.343, 47.069 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(254, 100, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 100, 41) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 82.343, 47.069 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, 41) }
```

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

```
.border{ border-color:rgb(254, 100, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 100, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 100, 41);  
box-shadow:4px 4px 4px 4px rgb(254, 100,  
41) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 82.343, 47.069 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, 41) }
```

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

```
.background{ background-color: rgb(254,  
100, 41) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor