

# Converting Colors

CIELCh(62, 68.759, 46.268)

Have a look what the booklet for  
CIELCh(62, 68.759, 46.268) contains.

<b>CIELCh(62, 68.638, 46.108)</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, 68.638, 46.108)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F26E3F
RGB	242, 110, 63
RGB Percent	95%, 43%, 25%
CMY	0.0529, 0.5669, 0.7514
CMYK	0.00, 0.54, 0.74, 0.05
HSL	16°, 87%, 60%
HSV	16°, 74%, 95%
XYZ	42.9855, 30.4025, 8.3641
YIQ	144.1100, 93.7590, 13.3670

# Conversions

## Conversions Part 2

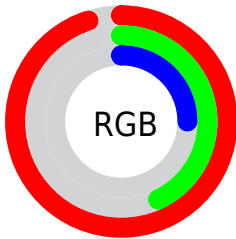
Format	Color
R <sub>Y</sub> B	242, 127, 63
Decimal	15887935
CIE Lab	62.00, 47.59, 49.46
CIE LCh	62, 68.638, 46.108
Yxy	30.4025, 0.5258, 0.3719
Android (android.graphics.Color)	4294078015 (0xFFFF26E3F)
YUV	144.1100, -39.9872, 85.8495
Hunter-Lab	55.1385, 42.6647, 29.6031

# Details

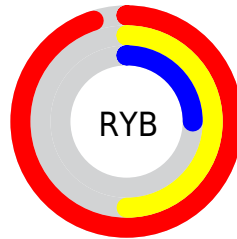
The CIELCh color **62, 68.638, 46.108** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **74, 39.051, 238.890**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 49.328, 55.203**, and **42, 68.946, 46.155** is the 20% darker color. If you saturate the color by 10%, you get **59, 79.430, 46.292**, and if you desaturate by 10%, it is **66, 57.542, 45.837**.

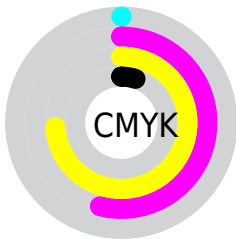
# Distribution



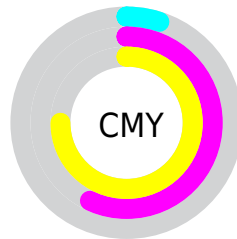
- Red (95%)
- Green (43%)
- Blue (25%)



- Red (95%)
- Yellow (50%)
- Blue (25%)



- Cyan (0%)
- Magenta (54%)
- Yellow (74%)
- Black (5%)



- Cyan (5%)
- Magenta (57%)
- Yellow (75%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 68.638, 46.108 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, 68.638, 46.108 by changing the saturation by 10% instead.



 62, 68.638, 46.108

 62, 68.638, 46.108

 100, 68.638,  
46.108

 52, 68.638, 46.108

 82, 68.638, 46.108

 42, 68.638, 46.108

 92, 68.638, 46.108

 32, 68.638, 46.108

 22, 68.638, 46.108

 12, 68.638, 46.108

 2, 68.638, 46.108

 0, 68.638, 46.108

 62, 68.638, 46.108

 62, 68.638, 46.108

 59, 79.430, 46.292

 66, 57.542, 45.837

56, 88.585, 45.900

70, 46.776, 45.665

54, 93.018, 45.317

74, 36.600, 45.650

79, 27.109, 45.790

84, 18.314, 46.059

88, 10.185, 46.420

93, 2.668, 46.722

98, 3.996, 216.952

99, 4.646, 199.253

# Harmonies

# Complementary

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



62, 68.638, 46.108



74, 39.051, 238.890

# Rectangle

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



62, 68.638, 46.108



62, 68.638, 96.108



62, 68.638, 226.108



62, 68.638, 276.108

# Sweetspot

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



62, 68.636, 46.111



89, 17.609, 46.115



58, 84.266, 338.196



46, 11.963, 46.026



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, 68.636, 46.111



60, 87.394, 46.229



81, 69.038, 87.601



48, 4.113, 46.584



42, 75.252, 45.833



10, 25.299, 39.379





# Inverse Universe

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



74, 39.051, 238.890



74, 44.435, 244.513



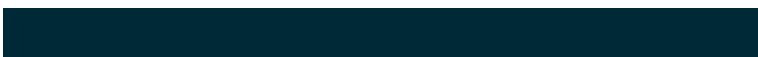
50, 77.634, 292.855



48, 3.894, 227.791



53, 36.345, 249.111



15, 15.263, 241.475



# Previews

## White Background



This preview shows how the CIELCh color 62, 68.638, 46.108 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, 68.638, 46.108 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, 68.638, 46.108

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 68.638, 46.108.



This preview shows how white text looks on a background with the CIELCh color 62, 68.638, 46.108.

# 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, 69.042, 46.007

### Protanopia

62, 40.904, 95.483

### Deuteranopia

62, 51.885, 81.486



**Tritanopia**  
62, 58.710, 23.283



# Trichromacy



**Original Color**  
62, 69.042, 46.007

**Protanomaly**  
61, 45.483, 70.580

**Deuteranomaly**  
61, 55.126, 65.261

**Tritanomaly**  
62, 61.174, 32.880

# Monochromacy



**Original Color**  
62, 69.042, 46.007

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
59, 22.623, 45.919

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 68.638, 46.108 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(242, 110, 63)` looks like.

```
.text, #text, p{  
    color:rgb(242, 110, 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(242, 110, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 110, 63) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 68.638, 46.108 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(242, 110, 63) }
```

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

```
.border{ border-color:rgb(242, 110, 63) }
```

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

Here you see how a box with a 4 pixel rgb(242, 110, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 110, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 110, 63);  
box-shadow:4px 4px 4px 4px rgb(242, 110,  
63) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 68.638, 46.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 110, 63) }
```

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

```
.background{ background-color: rgb(242,  
110, 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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