

# Converting Colors

CIELCh(69, 62.239, 58.805)

Have a look what the booklet for  
CIELCh(69, 62.239, 58.805) contains.

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# Color

**CIELCh(69, 62.517, 58.604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F48F47
RGB	244, 143, 71
RGB Percent	96%, 56%, 28%
CMY	0.0430, 0.4391, 0.7215
CMYK	0.00, 0.41, 0.71, 0.04
HSL	25°, 89%, 62%
HSV	25°, 71%, 96%
XYZ	48.2809, 39.3444, 11.0141
YIQ	164.9910, 83.3080, -0.9800

# Conversions

## Conversions Part 2

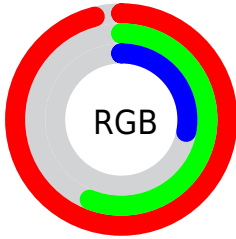
Format	Color
<a href="#">RYB</a>	<a href="#">244, 194, 71</a>
Decimal	<a href="#">16027463</a>
CIELab	<a href="#">69.00, 32.57, 53.36</a>
CIELCh	<a href="#">69, 62.517, 58.604</a>
Yxy	<a href="#">39.3444, 0.4895, 0.3989</a>
Android (android.graphics.Color)	<a href="#">4294217543</a> ( <a href="#">0xFFFF48F47</a> )
YUV	<a href="#">164.9910, -46.3376, 69.2909</a>
Hunter-Lab	<a href="#">62.7251, 27.6266, 33.4966</a>

# Details

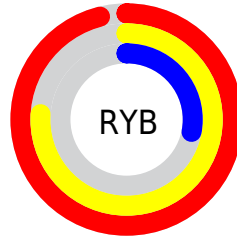
The CIELCh color **69, 62.517, 58.604** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **68, 44.797, 261.858**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 46.466, 74.716**, and **49, 62.537, 58.475** is the 20% darker color. If you saturate the color by 10%, you get **66, 72.248, 57.420**, and if you desaturate by 10%, it is **72, 52.463, 59.608**.

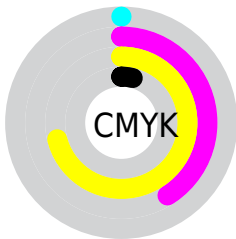
# Distribution



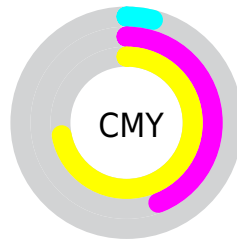
- Red (96%)
- Green (56%)
- Blue (28%)



- Red (96%)
- Yellow (76%)
- Blue (28%)



- Cyan (0%)
- Magenta (41%)
- Yellow (71%)
- Black (4%)



- Cyan (4%)
- Magenta (44%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 62.517, 58.604 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, 62.517, 58.604 by changing the saturation by 10% instead.



69, 62.517, 58.604

69, 62.517, 58.604

100, 62.517,  
58.604

59, 62.517, 58.604

89, 62.517, 58.604

49, 62.517, 58.604

99, 62.517, 58.604

39, 62.517, 58.604

29, 62.517, 58.604

19, 62.517, 58.604

9, 62.517, 58.604

0, 62.517, 58.604

69, 62.517, 58.604

69, 62.517, 58.604

66, 72.248, 57.420

72, 52.463, 59.608

63, 80.632, 55.725

76, 42.616, 60.569

60, 86.287, 53.540

80, 33.203, 61.547

84, 24.305, 62.555

88, 15.932, 63.588

92, 8.056, 64.620

96, 0.637, 64.963

99, 3.791, 199.340

# Harmonies

# Complementary

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



69, 62.517, 58.604



68, 44.797, 261.858

# Rectangle

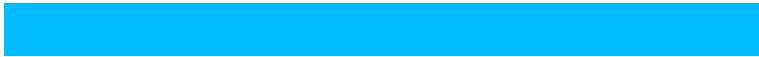
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 62.517, 58.604



69, 62.517, 108.604



69, 62.517, 238.604



69, 62.517, 288.604

# Sweetspot

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



69, 62.515, 58.607



91, 16.601, 63.572



59, 75.844, 346.343



47, 11.333, 63.285



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, 62.515, 58.607



67, 78.681, 56.779



89, 74.657, 98.320



49, 4.195, 64.761



47, 70.052, 54.212



13, 24.920, 53.025





# Inverse Universe

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



68, 44.797, 261.858



65, 53.919, 268.143



46, 91.072, 298.863



49, 4.049, 247.023



45, 48.088, 274.557



12, 19.161, 266.660



# Previews

## White Background



This preview shows how the CIELCh color 69, 62.517, 58.604 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, 62.517, 58.604 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, 62.517, 58.604

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 62.517, 58.604.



This preview shows how white text looks on a background with the CIELCh color 69, 62.517, 58.604.

# 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, 62.517, 58.604

### Protanopia

69, 48.207, 95.719

### Deuteranopia

69, 55.127, 80.537



**Tritanopia**  
69, 46.088, 17.813



# Trichromacy



**Original Color**  
69, 62.517, 58.604

**Protanomaly**  
69, 50.369, 79.929

**Deuteranomaly**  
69, 56.526, 71.941

**Tritanomaly**  
69, 48.952, 36.340

# Monochromacy



**Original Color**  
69, 62.517, 58.604

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
67, 21.269, 62.054

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 62.517, 58.604 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(244, 143, 71)` looks like.

```
.text, #text, p{  
    color:rgb(244, 143, 71)  
}
```

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(244, 143, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 143, 71) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 62.517, 58.604 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(244, 143, 71) }
```

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

```
.border{ border-color:rgb(244, 143, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 143, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 143, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 143, 71);  
box-shadow:4px 4px 4px 4px rgb(244, 143,  
71) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 62.517, 58.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 143, 71) }
```

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

```
.background{ background-color: rgb(244,  
143, 71) }
```

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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