

# Converting Colors

CIELCh(76, 62.093, 67.889)

Have a look what the booklet for  
CIELCh(76, 62.093, 67.889) contains.

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# Color

**CIELCh(76, 62.222, 67.848)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEA94F
RGB	254, 169, 79
RGB Percent	100%, 66%, 31%
CMY	0.0049, 0.3380, 0.6910
CMYK	0.00, 0.33, 0.69, 0.00
HSL	31°, 99%, 65%
HSV	31°, 69%, 100%
XYZ	56.3402, 49.8872, 14.0192
YIQ	184.1550, 79.5500, -9.9700

# Conversions

## Conversions Part 2

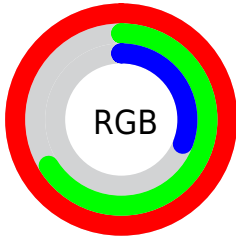
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 254, 79
Decimal	16689487
CIE <sub>Lab</sub>	76.00, 23.46, 57.63
CIE <sub>LCh</sub>	76, 62.222, 67.848
Yxy	49.8872, 0.4685, 0.4149
Android (android.graphics.Color)	4294879567 (0xFFFEA94F)
YUV	184.1550, -51.8414, 61.2541
Hunter-Lab	70.6309, 18.7800, 37.6734

# Details

The CIELCh color **76, 62.222, 67.848** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **66, 52.246, 272.976**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 48.714, 90.992**, and **56, 62.226, 67.821** is the 20% darker color. If you saturate the color by 10%, you get **73, 71.397, 66.207**, and if you desaturate by 10%, it is **79, 52.509, 69.293**.

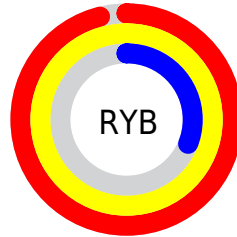
# Distribution



Red (100%)

Green (66%)

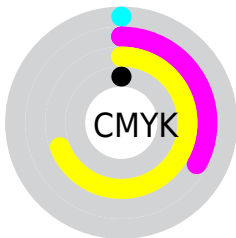
Blue (31%)



Red (96%)

Yellow (100%)

Blue (31%)

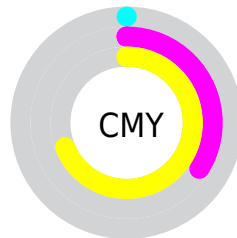


Cyan (0%)

Magenta (33%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 62.222, 67.848 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 76, 62.222, 67.848 by changing the saturation by 10% instead.



 76, 62.222, 67.848

 76, 62.222, 67.848

 100, 62.222,  
67.848

 66, 62.222, 67.848

 96, 62.222, 67.848

 56, 62.222, 67.848

 46, 62.222, 67.848

 36, 62.222, 67.848

 26, 62.222, 67.848

 16, 62.222, 67.848

 6, 62.222, 67.848

 0, 62.222, 67.848

 76, 62.222, 67.848

 76, 62.222, 67.848

73, 71.397, 66.207

79, 52.509, 69.293

70, 79.085, 64.119

82, 42.792, 70.649

68, 84.265, 61.296

86, 33.326, 71.971

67, 84.760, 60.996

89, 24.216, 73.273

93, 15.494, 74.554

96, 7.151, 75.792

100, 0.430,  
200.919

# Harmonies

# Complementary

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



76, 62.222, 67.848



66, 52.246, 272.976

# Rectangle

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



76, 62.222, 67.848



76, 62.222, 117.848



76, 62.222, 247.848



76, 62.222, 297.848

# Sweetspot

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



76, 62.221, 67.851



92, 17.323, 74.293



61, 73.216, 352.637



48, 11.798, 73.940



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



76, 62.221, 67.851



72, 75.056, 65.429



97, 81.423, 103.950



51, 4.569, 75.725



52, 68.299, 61.692



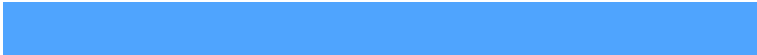
16, 27.011, 63.269





# Inverse Universe

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



66, 52.246, 272.976



60, 62.814, 278.766



45, 101.660, 301.761



50, 4.478, 258.281



41, 60.009, 285.568



12, 24.358, 279.128



# Previews

## White Background



This preview shows how the CIELCh color 76, 62.222, 67.848 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 76, 62.222, 67.848 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 76, 62.222, 67.848**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 76, 62.222, 67.848.



This preview shows how white text looks on a background with the CIELCh color 76, 62.222, 67.848.

# 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

76, 62.222, 67.848

### Protanopia

76, 53.846, 95.769

### Deuteranopia

76, 58.895, 80.394



**Tritanopia**  
76, 37.286, 14.043



# Trichromacy



**Original Color**  
76, 62.222, 67.848

**Protanomaly**  
76, 54.944, 84.476

**Deuteranomaly**  
76, 59.883, 75.666

**Tritanomaly**  
76, 41.325, 41.692

# Monochromacy



**Original Color**  
76, 62.222, 67.848

**Achromatopsia**  
75, 0.009, 296.813

**Achromatomaly**  
74, 21.516, 72.498

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 62.222, 67.848 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, 169, 79)` looks like.

```
.text, #text, p{  
    color:rgb(254, 169, 79)  
}
```

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, 169, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 169, 79) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 62.222, 67.848 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, 169, 79) }
```

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

```
.border{ border-color:rgb(254, 169, 79) }
```

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

Here you see how a box with a 4 pixel rgb(254, 169, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 169, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 169, 79);  
box-shadow:4px 4px 4px 4px rgb(254, 169,  
79) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 62.222, 67.848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 169, 79) }
```

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

```
.background{ background-color: rgb(254,  
169, 79) }
```

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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