

# Converting Colors

CIELCh(65, 75.949, 61.062)

Have a look what the booklet for  
CIELCh(65, 75.949, 61.062) contains.

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# Color

**CIELCh(65, 75.997, 61.009)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EF801B
RGB	239, 128, 27
RGB Percent	94%, 50%, 11%
CMY	0.0610, 0.4965, 0.8922
CMYK	0.00, 0.46, 0.89, 0.06
HSL	29°, 87%, 52%
HSV	29°, 89%, 94%
XYZ	43.7214, 34.0472, 5.3341
YIQ	149.6750, 98.5770, -7.8790

# Conversions

## Conversions Part 2

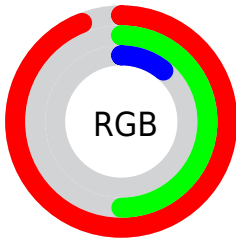
Format	Color
R <sub>Y</sub> B	239, 220, 27
Decimal	15695899
CIE Lab	65.00, 36.83, 66.47
CIE LCh	65, 75.997, 61.009
Yxy	34.0472, 0.5261, 0.4097
Android (android.graphics.Color)	4293885979 (0xFFEF801B)
YUV	149.6750, -60.4788, 78.3380
Hunter-Lab	58.3500, 31.6370, 35.4249

# Details

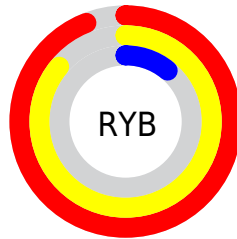
The CIELCh color **65, 75.997, 61.009** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **57, 59.224, 277.042**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 61.329, 73.572**, and **45, 66.379, 55.885** is the 20% darker color. If you saturate the color by 10%, you get **62, 81.679, 58.374**, and if you desaturate by 10%, it is **68, 68.036, 62.903**.

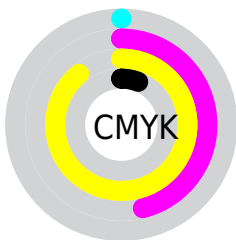
# Distribution



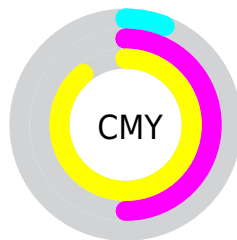
- Red (94%)
- Green (50%)
- Blue (11%)



- Red (94%)
- Yellow (86%)
- Blue (11%)



- Cyan (0%)
- Magenta (46%)
- Yellow (89%)
- Black (6%)



- Cyan (6%)
- Magenta (50%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 75.997, 61.009 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 65, 75.997, 61.009 by changing the saturation by 10% instead.



65, 75.997, 61.009

65, 75.997, 61.009

100, 75.997,  
61.009

55, 75.997, 61.009

85, 75.997, 61.009

45, 75.997, 61.009

95, 75.997, 61.009

35, 75.997, 61.009

25, 75.997, 61.009

15, 75.997, 61.009

5, 75.997, 61.009

0, 75.997, 61.009

65, 75.997, 61.009

65, 75.997, 61.009

62, 81.679, 58.374

68, 68.036, 62.903

62, 82.454, 57.986

71, 58.870, 64.371

74, 49.370, 65.661

77, 39.996, 66.890

81, 30.956, 68.105

84, 22.328, 69.317

88, 14.126, 70.521

91, 6.333, 71.689

95, 1.084, 253.357

# Harmonies

# Complementary

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



65, 75.997, 61.009



57, 59.224, 277.042

# Rectangle

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



65, 75.997, 61.009



65, 75.997, 111.009



65, 75.997, 241.009



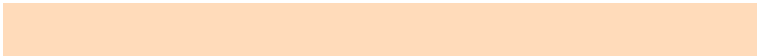
65, 75.997, 291.009

# Sweetspot

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



65, 75.995, 61.012



90, 22.162, 69.489



53, 79.941, 355.400



46, 15.068, 69.075



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



65, 75.995, 61.012



66, 86.549, 57.847



90, 87.561, 101.089



48, 4.238, 71.582



48, 67.292, 58.675



13, 23.437, 58.695





# Inverse Universe

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



57, 59.224, 277.042



56, 70.131, 282.599



33, 118.557, 304.742



48, 4.129, 254.049



41, 53.735, 281.585



10, 20.495, 273.664



# Previews

## White Background



This preview shows how the CIELCh color 65, 75.997, 61.009 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 65, 75.997, 61.009 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 65, 75.997, 61.009

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 75.997, 61.009.



This preview shows how white text looks on a background with the CIELCh color 65, 75.997, 61.009.

# 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

65, 75.997, 61.009

### Protanopia

65, 61.870, 95.453

### Deuteranopia

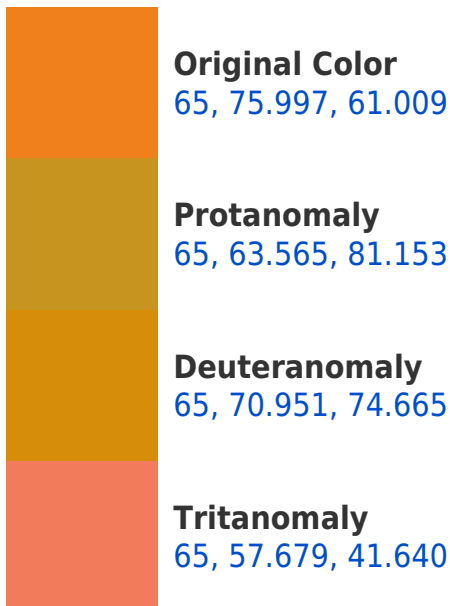
65, 69.788, 83.291



**Tritanopia**  
65, 51.548, 20.731



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 75.997, 61.009 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(239, 128, 27)` looks like.

```
.text, #text, p{  
    color:rgb(239, 128, 27)  
}
```

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(239, 128, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 128, 27) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 75.997, 61.009 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(239, 128, 27) }
```

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

```
.border{ border-color:rgb(239, 128, 27) }
```

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

Here you see how a box with a 4 pixel rgb(239, 128, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 128, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 128, 27);  
box-shadow:4px 4px 4px 4px rgb(239, 128,  
27) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 75.997, 61.009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 128, 27) }
```

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

```
.background{ background-color: rgb(239,  
128, 27) }
```

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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