

# Converting Colors

CIELCh(62, 74.081, 61.041)

Have a look what the booklet for  
CIELCh(62, 74.081, 61.041) contains.

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# Color

**CIELCh(62, 73.937, 60.923)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E47918
RGB	228, 121, 24
RGB Percent	89%, 47%, 9%
CMY	0.1041, 0.5240, 0.9077
CMYK	0.00, 0.47, 0.90, 0.10
HSL	29°, 81%, 49%
HSV	29°, 90%, 90%
XYZ	39.1872, 30.4025, 4.6412
YIQ	141.9350, 94.9090, -7.4830

# Conversions

## Conversions Part 2

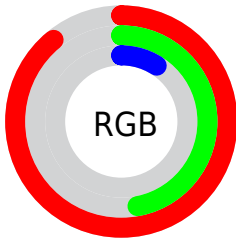
Format	Color
R <sub>Y</sub> B	228, 209, 24
Decimal	14973208
CIE Lab	62.00, 35.93, 64.62
CIE LCh	62, 73.937, 60.923
Yxy	30.4025, 0.5279, 0.4096
Android (android.graphics.Color)	4293163288 (0xFFE47918)
YUV	141.9350, -58.1420, 75.4790
Hunter-Lab	55.1385, 30.3685, 33.6062

# Details

The CIELCh color **62, 73.937, 60.923** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **54, 57.909, 277.656**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 61.936, 69.824**, and **42, 64.002, 54.935** is the 20% darker color. If you saturate the color by 10%, you get **60, 79.315, 58.292**, and if you desaturate by 10%, it is **65, 66.465, 62.879**.

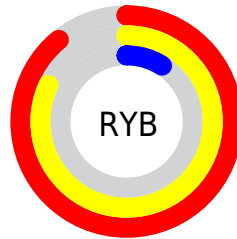
# Distribution



Red (89%)

Green (47%)

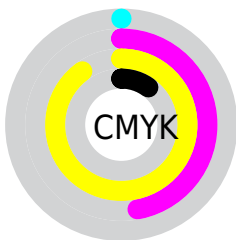
Blue (9%)



Red (89%)

Yellow (82%)

Blue (9%)

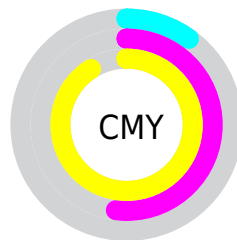


Cyan (0%)

Magenta (47%)

Yellow (90%)

Black (10%)



Cyan (10%)

Magenta (52%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 73.937, 60.923 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, 73.937, 60.923 by changing the saturation by 10% instead.



62, 73.937, 60.923

62, 73.937, 60.923

100, 73.937,  
60.923

52, 73.937, 60.923

82, 73.937, 60.923

42, 73.937, 60.923

92, 73.937, 60.923

32, 73.937, 60.923

22, 73.937, 60.923

12, 73.937, 60.923

2, 73.937, 60.923

0, 73.937, 60.923

62, 73.937, 60.923

62, 73.937, 60.923

60, 79.315, 58.292

65, 66.465, 62.879

59, 79.472, 58.218

68, 57.725, 64.378

71, 48.597, 65.682

74, 39.554, 66.917

77, 30.815, 68.134

80, 22.464, 69.347

84, 14.520, 70.553

87, 6.970, 71.730

91, 0.217, 254.945

# Harmonies

# Complementary

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



62, 73.937, 60.923



54, 57.909, 277.656

# Rectangle

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



62, 73.937, 60.923



62, 73.937, 110.923



62, 73.937, 240.923



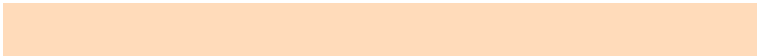
62, 73.937, 290.923

# Sweetspot

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



62, 73.935, 60.926



90, 22.177, 69.654



51, 77.345, 355.711



46, 15.077, 69.238



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, 73.935, 60.926



66, 86.485, 57.969



86, 84.823, 101.049



46, 4.092, 71.757



47, 65.822, 58.881



12, 20.936, 58.150





# Inverse Universe

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



54, 57.909, 277.656



56, 70.355, 282.761



31, 115.280, 304.887



46, 3.989, 254.218



40, 52.684, 281.646



9, 19.032, 272.754



# Previews

## White Background



This preview shows how the CIELCh color 62, 73.937, 60.923 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, 73.937, 60.923 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, 73.937, 60.923

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 73.937, 60.923.



This preview shows how white text looks on a background with the CIELCh color 62, 73.937, 60.923.

# 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, 73.714, 60.811

### Protanopia

62, 60.084, 95.515

### Tritanopia

62, 49.943, 20.607

# Trichromacy



**Original Color**  
62, 73.714, 60.811

**Protanomaly**  
62, 61.856, 80.658

**Tritanomaly**  
62, 56.073, 41.273

# Monochromacy



**Original Color**  
62, 73.714, 60.811

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
59, 26.708, 68.775



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 73.937, 60.923 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(228, 121, 24)` looks like.

```
.text, #text, p{  
    color:rgb(228, 121, 24)  
}
```

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(228, 121, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 121, 24) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 73.937, 60.923 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(228, 121, 24) }
```

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

```
.border{ border-color:rgb(228, 121, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 121, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 121, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 121, 24);  
box-shadow:4px 4px 4px 4px rgb(228, 121,  
24) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 73.937, 60.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 121, 24) }
```

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

```
.background{ background-color: rgb(228,  
121, 24) }
```

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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