

Converting Colors

CIELCh(62, 70.680, 52.294)

Have a look what the booklet for
CIELCh(62, 70.680, 52.294) contains.

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Color

CIELCh(62, 70.730, 52.421)

Conversions

Conversions Part 1

Format	Color
Hex	ED7331
RGB	237, 115, 49
RGB Percent	93%, 45%, 19%
CMY	0.0715, 0.5497, 0.8086
CMYK	0.00, 0.52, 0.79, 0.07
HSL	21°, 84%, 56%
HSV	21°, 79%, 93%
XYZ	41.5070, 30.4025, 6.5658
YIQ	143.9540, 93.8980, 5.3380

Conversions

Conversions Part 2

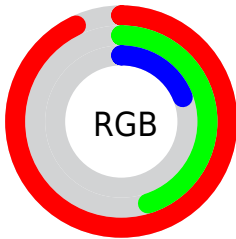
Format	Color
R _Y B	237, 151, 49
Decimal	15561521
CIE Lab	62.00, 43.14, 56.05
CIE LCh	62, 70.730, 52.421
Yxy	30.4025, 0.5289, 0.3874
Android (android.graphics.Color)	4293751601 (0xFFED7331)
YUV	143.9540, -46.8123, 81.6013
Hunter-Lab	55.1385, 37.8782, 31.5368

Details

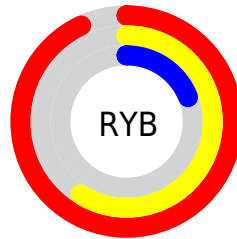
The CIELCh color **62, 70.730, 52.421** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle washed orange. A complement of this color would be **66, 43.648, 255.801**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 54.186, 62.383**, and **42, 68.510, 50.922** is the 20% darker color. If you saturate the color by 10%, you get **59, 79.958, 51.410**, and if you desaturate by 10%, it is **65, 60.525, 53.040**.

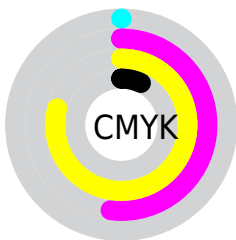
Distribution



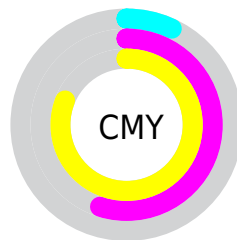
- Red (93%)
- Green (45%)
- Blue (19%)



- Red (93%)
- Yellow (59%)
- Blue (19%)



- Cyan (0%)
- Magenta (52%)
- Yellow (79%)
- Black (7%)



- Cyan (7%)
- Magenta (55%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 70.730, 52.421 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, 70.730, 52.421 by changing the saturation by 10% instead.

62, 70.730, 52.421

62, 70.730, 52.421

100, 70.730,
52.421

52, 70.730, 52.421

82, 70.730, 52.421

42, 70.730, 52.421

92, 70.730, 52.421

32, 70.730, 52.421

22, 70.730, 52.421

12, 70.730, 52.421

2, 70.730, 52.421

0, 70.730, 52.421

62, 70.730, 52.421

62, 70.730, 52.421

59, 79.958, 51.410

65, 60.525, 53.040

56, 86.998, 49.639

69, 50.273, 53.565

56, 87.414, 49.545

73, 40.400, 54.124

77, 31.078, 54.758

81, 22.356, 55.467

85, 14.226, 56.234

90, 6.647, 57.021

94, 0.429, 239.224

98, 5.664, 209.151

Harmonies

Complementary

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



62, 70.730, 52.421



66, 43.648, 255.801

Rectangle

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



62, 70.730, 52.421



62, 70.730, 102.421



62, 70.730, 232.421



62, 70.730, 282.421

Sweetspot

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



62, 70.728, 52.424



89, 19.026, 55.867



55, 80.841, 344.669



46, 13.241, 55.594



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, 70.728, 52.424



62, 89.275, 50.388



84, 76.039, 94.230



47, 3.996, 57.015



43, 71.057, 50.174



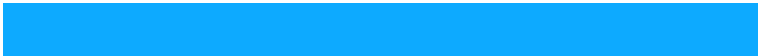
11, 22.978, 45.885

Inverse Universe

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



66, 43.648, 255.801



67, 52.324, 263.551



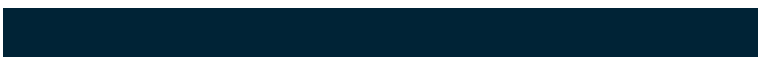
41, 94.635, 299.204



47, 3.821, 238.901



47, 41.362, 264.949



12, 16.199, 256.003

Previews

White Background



This preview shows how the CIELCh color 62, 70.730, 52.421 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, 70.730, 52.421 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, 70.730, 52.421

Background



This preview shows how black text looks on a background with the CIELCh color 62, 70.730, 52.421.



This preview shows how white text looks on a background with the CIELCh color 62, 70.730, 52.421.

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, 70.730, 52.421

Protanopia

62, 49.893, 95.664

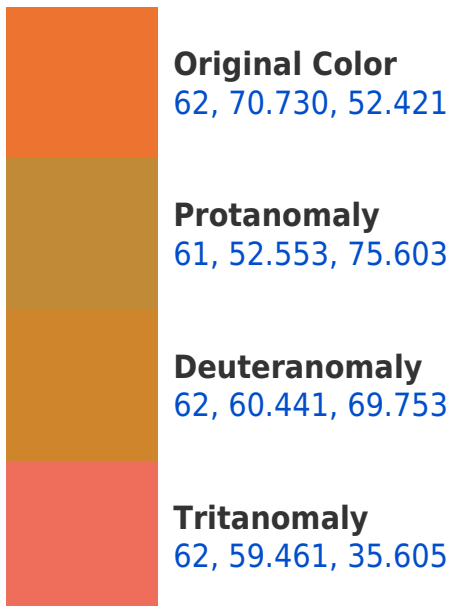
Deuteranopia

62, 58.437, 82.281



Tritanopia
62, 55.676, 22.568

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 70.730, 52.421 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(237, 115, 49)` looks like.

```
.text, #text, p{  
    color:rgb(237, 115, 49)  
}
```

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(237, 115, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 115, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 70.730, 52.421 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(237, 115, 49) }
```

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

```
.border{ border-color:rgb(237, 115, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 115, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 115, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 115, 49);  
box-shadow:4px 4px 4px 4px rgb(237, 115,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 70.730, 52.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 115, 49) }
```

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

```
.background{ background-color: rgb(237,  
115, 49) }
```

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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