

Converting Colors

CIELCh(61, 65.209, 49.786)

Have a look what the booklet for
CIELCh(61, 65.209, 49.786) contains.

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Color

CIELCh(61, 65.070, 49.514)

Conversions

Conversions Part 1

Format	Color
Hex	E7713C
RGB	231, 113, 60
RGB Percent	91%, 44%, 24%
CMY	0.0928, 0.5557, 0.7637
CMYK	0.00, 0.51, 0.74, 0.09
HSL	19°, 78%, 57%
HSV	19°, 74%, 91%
XYZ	39.8240, 29.2481, 7.8581
YIQ	142.2400, 87.3410, 8.5330

Conversions

Conversions Part 2

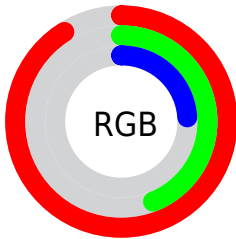
Format	Color
R_{YB}	231, 137, 60
Decimal	15167804
CIE _{Lab}	61.00, 42.25, 49.49
CIE _{LCh}	61, 65.070, 49.514
Yxy	29.2481, 0.5177, 0.3802
Android (android.graphics.Color)	4293357884 (0xFFE7713C)
YUV	142.2400, -40.5443, 77.8425
Hunter-Lab	54.0815, 36.7993, 29.2422

Details

The CIELCh color **61, 65.070, 49.514** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **69, 39.069, 246.788**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 50.336, 57.727**, and **41, 65.200, 49.488** is the 20% darker color. If you saturate the color by 10%, you get **58, 75.165, 49.190**, and if you desaturate by 10%, it is **65, 54.654, 49.692**.

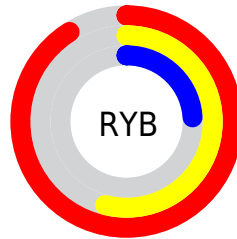
Distribution



Red (91%)

Green (44%)

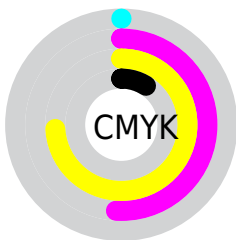
Blue (24%)



Red (91%)

Yellow (54%)

Blue (24%)

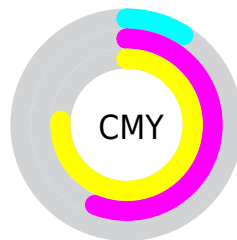


Cyan (0%)

Magenta (51%)

Yellow (74%)

Black (9%)



Cyan (9%)

Magenta (56%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 65.070, 49.514 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 61, 65.070, 49.514 by changing the saturation by 10% instead.

61, 65.070, 49.514

61, 65.070, 49.514

100, 65.070,
49.514

51, 65.070, 49.514

81, 65.070, 49.514

41, 65.070, 49.514

91, 65.070, 49.514

31, 65.070, 49.514

21, 65.070, 49.514

11, 65.070, 49.514

1, 65.070, 49.514

0, 65.070, 49.514

61, 65.070, 49.514

61, 65.070, 49.514

58, 75.165, 49.190

65, 54.654, 49.692

55, 83.710, 48.265

68, 44.522, 49.908

54, 87.834, 47.428

72, 34.926, 50.228

77, 25.954, 50.661

81, 17.614, 51.189

85, 9.876, 51.783

90, 2.692, 52.310

95, 3.994, 233.374

98, 8.076, 198.977

Harmonies

Complementary

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



61, 65.070, 49.514



69, 39.069, 246.788

Rectangle

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



61, 65.070, 49.514



61, 65.070, 99.514



61, 65.070, 229.514



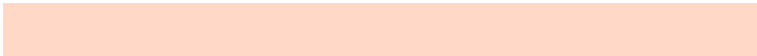
61, 65.070, 279.514

Sweetspot

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



61, 65.068, 49.517



89, 17.387, 51.294



56, 79.018, 340.860



46, 11.806, 51.139



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



61, 65.068, 49.517



62, 86.317, 48.794



80, 68.880, 91.359



46, 3.928, 52.053



42, 71.892, 47.999



10, 22.160, 41.501

Inverse Universe

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



69, 39.069, 246.788



71, 47.085, 253.478



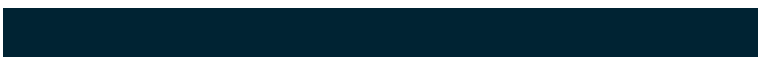
45, 80.572, 295.416



46, 3.738, 233.636



49, 38.029, 257.813



12, 14.891, 248.617

Previews

White Background



This preview shows how the CIELCh color 61, 65.070, 49.514 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 65.070, 49.514 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 61, 65.070, 49.514

Background



This preview shows how black text looks on a background with the CIELCh color 61, 65.070, 49.514.



This preview shows how white text looks on a background with the CIELCh color 61, 65.070, 49.514.

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

61, 65.070, 49.514

Protanopia

61, 42.441, 95.564

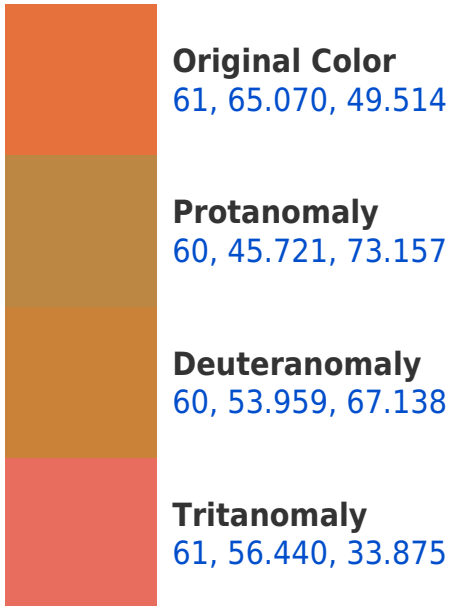
Deuteranopia

61, 51.553, 81.185

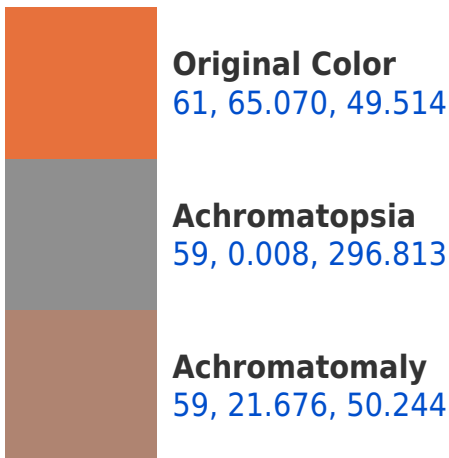


Tritanopia
61, 53.708, 22.215

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 65.070, 49.514 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(231, 113, 60)` looks like.

```
.text, #text, p{  
    color:rgb(231, 113, 60)  
}
```

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(231, 113, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 113, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 65.070, 49.514 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(231, 113, 60) }
```

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

```
.border{ border-color:rgb(231, 113, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 113, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 113, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 113, 60);  
box-shadow:4px 4px 4px 4px rgb(231, 113,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 65.070, 49.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 113, 60) }
```

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

```
.background{ background-color: rgb(231,  
113, 60) }
```

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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