

Converting Colors

CIELCh(63, 77.162, 59.840)

Have a look what the booklet for
CIELCh(63, 77.162, 59.840) contains.

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Color

CIELCh(63, 77.301, 59.634)

Conversions

Conversions Part 1

Format	Color
Hex	EC7914
RGB	236, 121, 20
RGB Percent	93%, 47%, 8%
CMY	0.0742, 0.5252, 0.9212
CMYK	0.00, 0.49, 0.91, 0.07
HSL	28°, 85%, 50%
HSV	28°, 91%, 93%
XYZ	41.5900, 31.5869, 4.5711
YIQ	143.8710, 100.9610, -7.0310

Conversions

Conversions Part 2

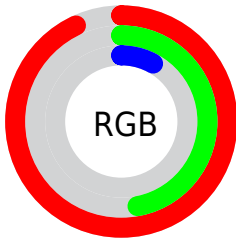
Format	Color
R _Y B	236, 210, 20
Decimal	15497492
CIE Lab	63.00, 39.08, 66.70
CIE LCh	63, 77.301, 59.634
Yxy	31.5869, 0.5349, 0.4063
Android (android.graphics.Color)	4293687572 (0xFFEC7914)
YUV	143.8710, -61.0684, 80.7971
Hunter-Lab	56.2022, 33.7370, 34.5193

Details

The CIELCh color **63, 77.301, 59.634** 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 **56, 59.436, 277.454**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 62.783, 70.715**, and **43, 66.645, 53.636** is the 20% darker color. If you saturate the color by 10%, you get **61, 81.892, 57.357**, and if you desaturate by 10%, it is **66, 69.890, 61.679**.

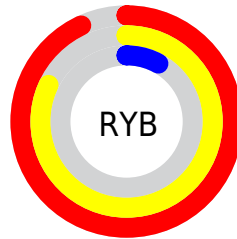
Distribution



Red (93%)

Green (47%)

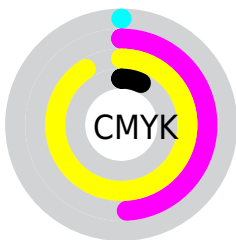
Blue (8%)



Red (93%)

Yellow (82%)

Blue (8%)

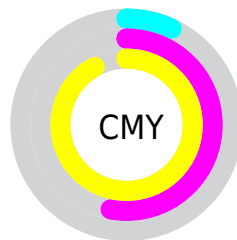


Cyan (0%)

Magenta (49%)

Yellow (91%)

Black (7%)



Cyan (7%)

Magenta (53%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 77.301, 59.634 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 63, 77.301, 59.634 by changing the saturation by 10% instead.

 63, 77.301, 59.634

 63, 77.301, 59.634

 100, 77.301,
59.634

 53, 77.301, 59.634

 83, 77.301, 59.634

 43, 77.301, 59.634

 93, 77.301, 59.634

 33, 77.301, 59.634

 23, 77.301, 59.634

 13, 77.301, 59.634

 3, 77.301, 59.634

 0, 77.301, 59.634

 63, 77.301, 59.634

 63, 77.301, 59.634

 61, 81.892, 57.357

 66, 69.890, 61.679

69, 60.977, 63.193

72, 51.561, 64.479

75, 42.194, 65.685

78, 33.133, 66.872

82, 24.481, 68.059

86, 16.263, 69.246

89, 8.467, 70.413

93, 1.061, 71.226

Harmonies

Complementary

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



63, 77.301, 59.634



56, 59.436, 277.454

Rectangle

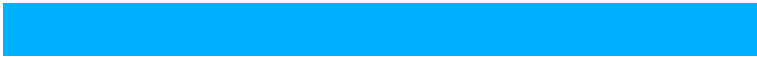
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 77.301, 59.634



63, 77.301, 109.634



63, 77.301, 239.634



63, 77.301, 289.634

Sweetspot

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



63, 77.299, 59.637



89, 22.086, 68.579



52, 79.615, 356.373



46, 15.020, 68.171



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 77.299, 59.637



65, 86.907, 57.185



89, 87.531, 100.969



47, 4.144, 70.641



47, 66.841, 58.054



12, 22.215, 57.465

Inverse Universe

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



56, 59.436, 277.454



57, 68.913, 281.691



32, 119.833, 305.165



47, 4.033, 253.081



41, 52.220, 280.615



10, 19.455, 272.152

Previews

White Background



This preview shows how the CIELCh color 63, 77.301, 59.634 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 63, 77.301, 59.634 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 63, 77.301, 59.634

Background



This preview shows how black text looks on a background with the CIELCh color 63, 77.301, 59.634.



This preview shows how white text looks on a background with the CIELCh color 63, 77.301, 59.634.

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

63, 77.301, 59.634

Protanopia

63, 61.454, 95.191

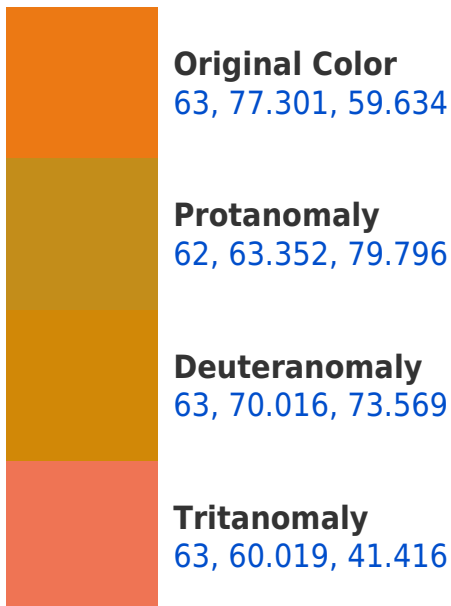
Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 53.200, 21.326

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 77.301, 59.634 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(236, 121, 20)` looks like.

```
.text, #text, p{  
    color:rgb(236, 121, 20)  
}
```

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(236, 121, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 121, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 77.301, 59.634 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(236, 121, 20) }
```

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

```
.border{ border-color:rgb(236, 121, 20) }
```

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

Here you see how a box with a 4 pixel rgb(236, 121, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 121, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 121, 20);  
box-shadow:4px 4px 4px 4px rgb(236, 121,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 77.301, 59.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 121, 20) }
```

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

```
.background{ background-color: rgb(236,  
121, 20) }
```

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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