

Converting Colors

CIELCh(63, 80.474, 61.134)

Have a look what the booklet for
CIELCh(63, 80.474, 61.134) contains.

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Color

CIELCh(63, 80.224, 61.016)

Conversions

Conversions Part 1

Format	Color
Hex	EC7900
RGB	236, 121, 0
RGB Percent	93%, 47%, 0%
CMY	0.0737, 0.5248, 0.9986
CMYK	0.00, 0.49, 1.00, 0.07
HSL	31°, 100%, 46%
HSV	31°, 100%, 93%
XYZ	41.5231, 31.5869, 3.9184
YIQ	141.5910, 107.3810, -13.2510

Conversions

Conversions Part 2

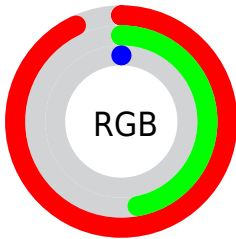
Format	Color
R _Y B	224, 236, 0
Decimal	15497472
CIE Lab	63.00, 38.87, 70.18
CIE LCh	63, 80.224, 61.016
Yxy	31.5869, 0.5391, 0.4101
Android (android.graphics.Color)	4293687552 (0xFFEC7900)
YUV	141.5910, -69.8044, 82.7967
Hunter-Lab	56.2022, 33.5246, 35.2079

Details

The CIELCh color **63, 80.224, 61.016** 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 **50, 70.849, 285.934**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 66.258, 72.157**, and **43, 66.645, 53.636** is the 20% darker color. If you saturate the color by 10%, you get **63, 80.294, 60.978**, and if you desaturate by 10%, it is **65, 75.288, 63.800**.

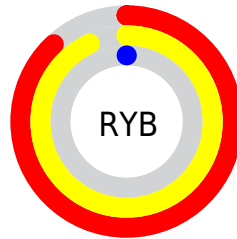
Distribution



Red (93%)

Green (47%)

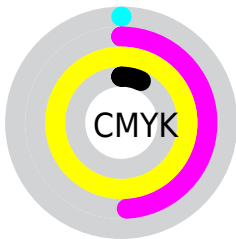
Blue (0%)



Red (88%)

Yellow (93%)

Blue (0%)

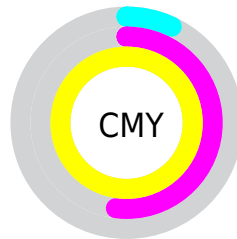


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 80.224, 61.016 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, 80.224, 61.016 by changing the saturation by 10% instead.

63, 80.224, 61.016

63, 80.224, 61.016

100, 80.224,
61.016

53, 80.224, 61.016

83, 80.224, 61.016

43, 80.224, 61.016

93, 80.224, 61.016

33, 80.224, 61.016

23, 80.224, 61.016

13, 80.224, 61.016

3, 80.224, 61.016

0, 80.224, 61.016

63, 80.224, 61.016

63, 80.224, 61.016

63, 80.294, 60.978

65, 75.288, 63.800

68, 68.123, 65.910

71, 59.500, 67.560

74, 50.338, 68.997

77, 41.154, 70.347

80, 32.199, 71.660

83, 23.579, 72.955

87, 15.326, 74.230

90, 7.434, 75.466

Harmonies

Complementary

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



63, 80.224, 61.016



50, 70.849, 285.934

Rectangle

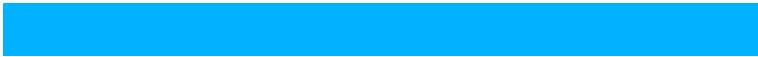
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 80.224, 61.016



63, 80.224, 111.016



63, 80.224, 241.016



63, 80.224, 291.016

Sweetspot

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



63, 80.222, 61.018



89, 25.231, 72.919



51, 79.871, 2.680



46, 17.381, 72.373



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, 80.222, 61.018



68, 85.152, 60.808



91, 91.430, 102.854



47, 4.260, 75.512



49, 65.576, 61.672



13, 22.186, 62.257

Inverse Universe

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



50, 70.849, 285.934



54, 75.512, 286.196



30, 126.217, 306.277



47, 4.174, 258.044



38, 57.147, 285.184



9, 21.028, 277.127

Previews

White Background



This preview shows how the CIELCh color 63, 80.224, 61.016 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, 80.224, 61.016 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, 80.224, 61.016

Background



This preview shows how black text looks on a background with the CIELCh color 63, 80.224, 61.016.



This preview shows how white text looks on a background with the CIELCh color 63, 80.224, 61.016.

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, 80.224, 61.016

Protanopia

63, 63.663, 95.223

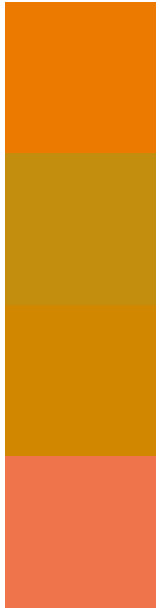
Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 53.318, 21.903

Trichromacy



Original Color
63, 80.224, 61.016

Protanomaly
62, 66.099, 80.439

Deuteranomaly
63, 71.003, 73.867

Tritanomaly
63, 62.504, 44.527

Monochromacy



Original Color
63, 80.224, 61.016

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 31.627, 70.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 80.224, 61.016 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 121, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 121, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 80.224, 61.016 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, 0) }
```

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

```
.border{ border-color:rgb(236, 121, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 121,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 80.224, 61.016 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, 0) }
```

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

```
.background{ background-color: rgb(236,  
121, 0) }
```

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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