

Converting Colors

CIELCh(64, 80.176, 61.940)

Have a look what the booklet for
CIELCh(64, 80.176, 61.940) contains.

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Color

CIELCh(64, 80.218, 62.004)

Conversions

Conversions Part 1

Format	Color
Hex	EE7D01
RGB	238, 125, 1
RGB Percent	93%, 49%, 0%
CMY	0.0671, 0.5101, 0.9968
CMYK	0.00, 0.47, 1.00, 0.07
HSL	31°, 99%, 47%
HSV	31°, 100%, 93%
XYZ	42.5465, 32.8017, 4.1119
YIQ	144.6510, 107.1520, -14.6080

Conversions

Conversions Part 2

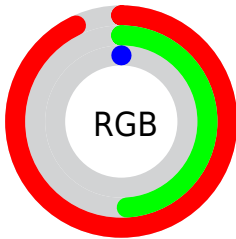
Format	Color
RYB	217, 238, 1
Decimal	15629569
CIELab	64.00, 37.66, 70.83
CIELCh	64, 80.218, 62.004
Yxy	32.8017, 0.5354, 0.4128
Android (android.graphics.Color)	4293819649 (0xFFEE7D01)
YUV	144.6510, -70.8199, 81.8671
Hunter-Lab	57.2727, 32.3759, 35.8342

Details

The CIELCh color **64, 80.218, 62.004** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **50, 72.717, 286.899**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 66.173, 73.984**, and **44, 66.589, 54.855** is the 20% darker color. If you saturate the color by 10%, you get **64, 80.372, 61.913**, and if you desaturate by 10%, it is **66, 75.405, 64.811**.

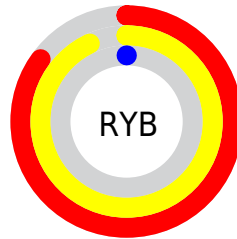
Distribution



Red (93%)

Green (49%)

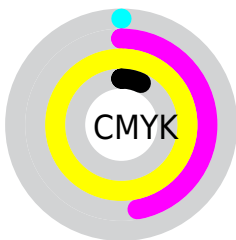
Blue (0%)



Red (85%)

Yellow (93%)

Blue (0%)

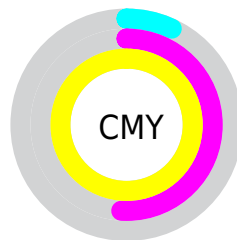


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (51%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 80.218, 62.004 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 64, 80.218, 62.004 by changing the saturation by 10% instead.

 64, 80.218, 62.004

 64, 80.218, 62.004

 100, 80.218,
62.004

 54, 80.218, 62.004

 84, 80.218, 62.004

 44, 80.218, 62.004

 94, 80.218, 62.004

 34, 80.218, 62.004

 24, 80.218, 62.004

 14, 80.218, 62.004

 4, 80.218, 62.004

 0, 80.218, 62.004

 64, 80.218, 62.004

 64, 80.218, 62.004

 64, 80.372, 61.913

 66, 75.405, 64.811

69, 68.311, 66.942

72, 59.729, 68.622

75, 50.576, 70.091

78, 41.372, 71.469

81, 32.375, 72.806

84, 23.695, 74.121

87, 15.367, 75.412

91, 7.387, 76.661

Harmonies

Complementary

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



64, 80.218, 62.004



50, 72.717, 286.899

Rectangle

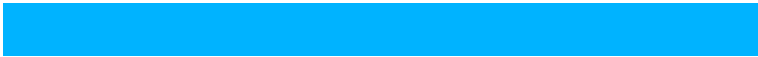
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 80.218, 62.004



64, 80.218, 112.004



64, 80.218, 242.004



64, 80.218, 292.004

Sweetspot

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



64, 80.216, 62.006



89, 25.381, 74.062



51, 80.124, 4.238



46, 17.476, 73.508



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 80.216, 62.006



68, 84.770, 61.760



91, 91.910, 103.903



48, 4.370, 76.683



50, 65.998, 62.579



14, 23.439, 63.691

Inverse Universe

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



50, 72.717, 286.899



53, 77.218, 287.217



30, 126.731, 306.300



48, 4.289, 259.234



38, 59.095, 286.270



9, 22.282, 278.773

Previews

White Background



This preview shows how the CIELCh color 64, 80.218, 62.004 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 64, 80.218, 62.004 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 64, 80.218, 62.004

Background



This preview shows how black text looks on a background with the CIELCh color 64, 80.218, 62.004.



This preview shows how white text looks on a background with the CIELCh color 64, 80.218, 62.004.

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

64, 80.218, 62.004

Protanopia

64, 64.680, 95.363

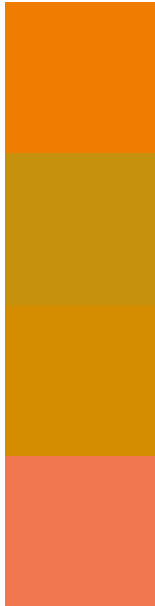
Deuteranopia

64, 69.037, 83.431



Tritanopia
64, 52.606, 21.091

Trichromacy



Original Color
64, 80.218, 62.004

Protanomaly
64, 67.089, 81.314

Deuteranomaly
64, 71.773, 74.757

Tritanomaly
64, 61.788, 44.598

Monochromacy



Original Color
64, 80.218, 62.004

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 31.610, 71.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 80.218, 62.004 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(238, 125, 1)` looks like.

```
.text, #text, p{  
    color:rgb(238, 125, 1)  
}
```

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(238, 125, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 125, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 80.218, 62.004 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(238, 125, 1) }
```

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

```
.border{ border-color:rgb(238, 125, 1) }
```

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

Here you see how a box with a 4 pixel rgb(238, 125, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 125, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 125, 1);  
box-shadow:4px 4px 4px 4px rgb(238, 125,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 80.218, 62.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 125, 1) }
```

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

```
.background{ background-color: rgb(238,  
125, 1) }
```

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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