

Converting Colors

CIELCh(64, 74.782, 62.773)

Have a look what the booklet for
CIELCh(64, 74.782, 62.773) contains.

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Color

CIELCh(64, 74.877, 62.694)

Conversions

Conversions Part 1

Format	Color
Hex	E98017
RGB	233, 128, 23
RGB Percent	91%, 50%, 9%
CMY	0.0865, 0.4982, 0.9100
CMYK	0.00, 0.45, 0.90, 0.09
HSL	30°, 83%, 50%
HSV	30°, 90%, 91%
XYZ	41.4528, 32.8017, 4.9536
YIQ	147.4250, 96.2850, -10.3950

Conversions

Conversions Part 2

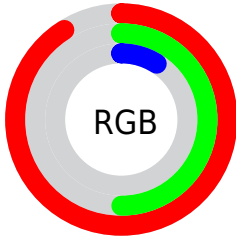
Format	Color
R _Y B	233, 233, 23
Decimal	15302679
CIE Lab	64.00, 34.35, 66.53
CIE LCh	64, 74.877, 62.694
Yxy	32.8017, 0.5233, 0.4141
Android (android.graphics.Color)	4293492759 (0xFFE98017)
YUV	147.4250, -61.3415, 75.0493
Hunter-Lab	57.2727, 28.9672, 34.9628

Details

The CIELCh color **64, 74.877, 62.694** 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 **53, 61.689, 280.323**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 62.539, 74.053**, and **44, 64.160, 57.134** is the 20% darker color. If you saturate the color by 10%, you get **62, 79.847, 59.994**, and if you desaturate by 10%, it is **67, 67.682, 64.780**.

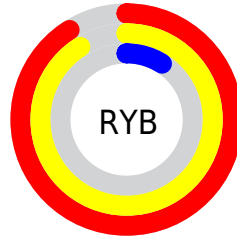
Distribution



Red (91%)

Green (50%)

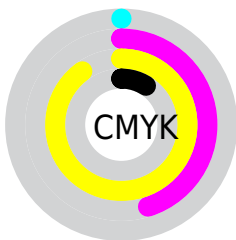
Blue (9%)



Red (91%)

Yellow (91%)

Blue (9%)

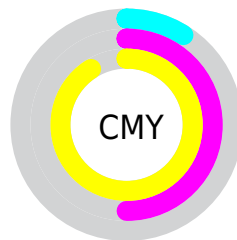


Cyan (0%)

Magenta (45%)

Yellow (90%)

Black (9%)



Cyan (9%)

Magenta (50%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 74.877, 62.694 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, 74.877, 62.694 by changing the saturation by 10% instead.

 64, 74.877, 62.694

 64, 74.877, 62.694

 100, 74.877,
62.694

 54, 74.877, 62.694

 84, 74.877, 62.694

 44, 74.877, 62.694

 94, 74.877, 62.694

 34, 74.877, 62.694

 24, 74.877, 62.694

 14, 74.877, 62.694

 4, 74.877, 62.694

 0, 74.877, 62.694

 64, 74.877, 62.694

 64, 74.877, 62.694

 62, 79.847, 59.994

 67, 67.682, 64.780

69, 59.064, 66.393

72, 49.937, 67.792

75, 40.816, 69.107

79, 31.945, 70.390

82, 23.426, 71.660

85, 15.287, 72.914

89, 7.521, 74.133

92, 0.103, 71.410

Harmonies

Complementary

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



64, 74.877, 62.694



53, 61.689, 280.323

Rectangle

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



64, 74.877, 62.694



64, 74.877, 112.694



64, 74.877, 242.694



64, 74.877, 292.694

Sweetspot

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



64, 74.875, 62.697



90, 22.410, 72.040



51, 77.808, 358.733



47, 15.225, 71.608



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, 74.875, 62.697



67, 85.594, 59.791



90, 88.352, 103.015



47, 4.225, 74.214



49, 65.893, 60.659



13, 22.178, 60.945

Inverse Universe

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



53, 61.689, 280.323



55, 73.678, 285.038



31, 119.736, 305.503



47, 4.133, 256.727



39, 55.776, 284.008



9, 20.585, 275.836

Previews

White Background



This preview shows how the CIELCh color 64, 74.877, 62.694 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, 74.877, 62.694 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, 74.877, 62.694

Background



This preview shows how black text looks on a background with the CIELCh color 64, 74.877, 62.694.



This preview shows how white text looks on a background with the CIELCh color 64, 74.877, 62.694.

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, 74.877, 62.694

Protanopia

64, 61.965, 95.329

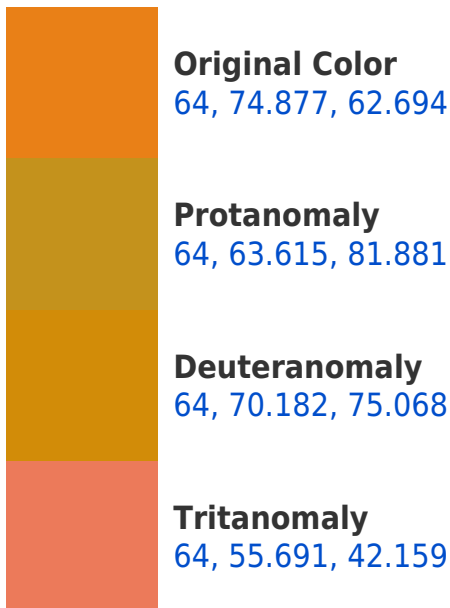
Deuteranopia

64, 68.929, 82.965



Tritanopia
64, 49.077, 19.607

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 74.877, 62.694 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(233, 128, 23)` looks like.

```
.text, #text, p{  
    color:rgb(233, 128, 23)  
}
```

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(233, 128, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 128, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 74.877, 62.694 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(233, 128, 23) }
```

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

```
.border{ border-color:rgb(233, 128, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 128, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 128, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 128, 23);  
box-shadow:4px 4px 4px 4px rgb(233, 128,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 74.877, 62.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 128, 23) }
```

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

```
.background{ background-color: rgb(233,  
128, 23) }
```

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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