

Converting Colors

CIELCh(62, 82.197, 58.646)

Have a look what the booklet for
CIELCh(62, 82.197, 58.646) contains.

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Color

CIELCh(62, 81.791, 58.572)

Conversions

Conversions Part 1

Format	Color
Hex	EE7300
RGB	238, 115, 0
RGB Percent	93%, 45%, 0%
CMY	0.0671, 0.5493, 1.0000
CMYK	0.00, 0.52, 1.00, 0.07
HSL	29°, 100%, 47%
HSV	29°, 100%, 93%
XYZ	41.3473, 30.4025, 3.6847
YIQ	138.6670, 110.2230, -9.6890

Conversions

Conversions Part 2

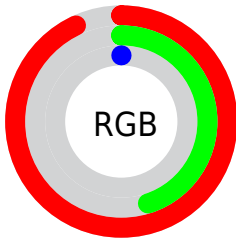
Format	Color
R _Y B	238, 223, 0
Decimal	15627008
CIE Lab	62.00, 42.65, 69.79
CIE LCh	62, 81.791, 58.572
Yxy	30.4025, 0.5481, 0.4030
Android (android.graphics.Color)	4293817088 (0xFFEE7300)
YUV	138.6670, -68.3628, 87.1150
Hunter-Lab	55.1385, 37.3614, 34.6349

Details

The CIELCh color **62, 81.791, 58.572** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **52, 67.272, 283.153**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 66.347, 69.355**, and **42, 68.510, 50.922** is the 20% darker color. If you saturate the color by 10%, you get **62, 81.769, 58.565**, and if you desaturate by 10%, it is **65, 76.424, 61.271**.

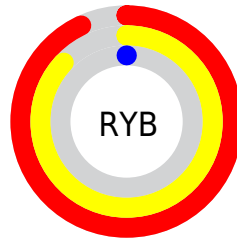
Distribution



Red (93%)

Green (45%)

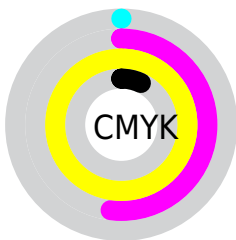
Blue (0%)



Red (93%)

Yellow (87%)

Blue (0%)

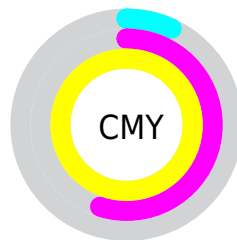


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (55%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 81.791, 58.572 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 62, 81.791, 58.572 by changing the saturation by 10% instead.

 62, 81.791, 58.572

 62, 81.791, 58.572

 100, 81.791,
58.572

 52, 81.791, 58.572

 82, 81.791, 58.572

 42, 81.791, 58.572

 92, 81.791, 58.572

 32, 81.791, 58.572

 22, 81.791, 58.572

 12, 81.791, 58.572

 2, 81.791, 58.572

 0, 81.791, 58.572

 62, 81.791, 58.572

 62, 81.791, 58.572

 62, 81.769, 58.565

 65, 76.424, 61.271

67, 68.875, 63.287

70, 59.936, 64.829

73, 50.544, 66.164

76, 41.209, 67.424

80, 32.171, 68.661

83, 23.522, 69.892

87, 15.288, 71.113

90, 7.454, 72.305

Harmonies

Complementary

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



62, 81.791, 58.572



52, 67.272, 283.153

Rectangle

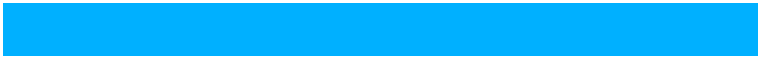
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 81.791, 58.572



62, 81.791, 108.572



62, 81.791, 238.572



62, 81.791, 288.572

Sweetspot

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



62, 81.769, 58.565



89, 24.891, 69.878



51, 80.826, 359.564



46, 17.166, 69.358



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 81.769, 58.565



66, 86.257, 58.410



89, 89.684, 100.675



48, 4.256, 72.365



49, 67.078, 59.239



13, 23.425, 59.436

Inverse Universe

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



52, 67.272, 283.153



56, 71.164, 283.339



30, 125.621, 305.995



48, 4.151, 254.849



41, 54.515, 282.335



10, 20.752, 274.474

Previews

White Background



This preview shows how the CIELCh color 62, 81.791, 58.572 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 62, 81.791, 58.572 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 62, 81.791, 58.572

Background



This preview shows how black text looks on a background with the CIELCh color 62, 81.791, 58.572.



This preview shows how white text looks on a background with the CIELCh color 62, 81.791, 58.572.

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

62, 81.791, 58.572

Protanopia

62, 62.689, 95.545

Deuteranopia

62, 67.241, 83.611



Tritanopia
62, 56.554, 22.781

Trichromacy



Original Color
62, 81.791, 58.572

Protanomaly
61, 65.634, 79.308

Deuteranomaly
62, 70.502, 73.108

Tritanomaly
62, 65.062, 42.876

Monochromacy



Original Color
62, 81.791, 58.572

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 31.825, 67.548

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 81.791, 58.572 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, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 115, 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(238, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 115, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 81.791, 58.572 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, 115, 0) }
```

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

```
.border{ border-color:rgb(238, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 115,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 81.791, 58.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 115, 0) }
```

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

```
.background{ background-color: rgb(238,  
115, 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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