

Converting Colors

CIELCh(63, 78.358, 63.038)

Have a look what the booklet for
CIELCh(63, 78.358, 63.038) contains.

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Color

CIELCh(63, 78.528, 62.922)

Conversions

Conversions Part 1

Format	Color
Hex	E87C00
RGB	232, 124, 0
RGB Percent	91%, 49%, 0%
CMY	0.0900, 0.5136, 0.9997
CMYK	0.00, 0.47, 1.00, 0.09
HSL	32°, 100%, 46%
HSV	32°, 100%, 91%
XYZ	40.5046, 31.5869, 3.9641
YIQ	142.1560, 104.1720, -15.6680

Conversions

Conversions Part 2

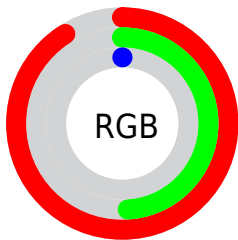
Format	Color
R _Y B	202, 232, 0
Decimal	15236096
CIE Lab	63.00, 35.75, 69.92
CIE LCh	63, 78.528, 62.922
Yxy	31.5869, 0.5326, 0.4153
Android (android.graphics.Color)	4293426176 (0xFFE87C00)
YUV	142.1560, -70.0829, 78.7932
Hunter-Lab	56.2022, 30.2899, 35.1597

Details

The CIELCh color **63, 78.528, 62.922** 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 **48, 73.045, 287.925**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 66.092, 73.492**, and **43, 64.540, 55.608** is the 20% darker color. If you saturate the color by 10%, you get **63, 78.541, 62.915**, and if you desaturate by 10%, it is **65, 73.945, 65.724**.

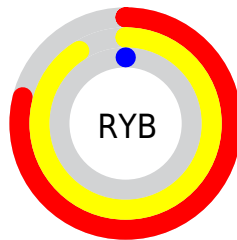
Distribution



Red (91%)

Green (49%)

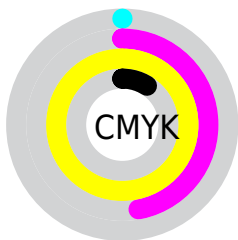
Blue (0%)



Red (79%)

Yellow (91%)

Blue (0%)

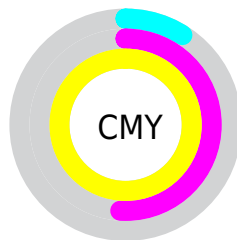


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (51%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 78.528, 62.922 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, 78.528, 62.922 by changing the saturation by 10% instead.

 63, 78.528, 62.922

 63, 78.528, 62.922

 100, 78.528,
62.922

 53, 78.528, 62.922

 83, 78.528, 62.922

 43, 78.528, 62.922

 93, 78.528, 62.922

 33, 78.528, 62.922

 23, 78.528, 62.922

 13, 78.528, 62.922

 3, 78.528, 62.922

 0, 78.528, 62.922

 63, 78.528, 62.922

 63, 78.528, 62.922

 63, 78.541, 62.915

 65, 73.945, 65.724

68, 67.168, 67.888

71, 58.875, 69.601

73, 49.970, 71.099

76, 40.975, 72.500

79, 32.153, 73.857

82, 23.619, 75.188

86, 15.412, 76.491

89, 7.533, 77.752

Harmonies

Complementary

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



63, 78.528, 62.922



48, 73.045, 287.925

Rectangle

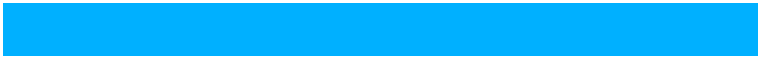
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 78.528, 62.922



63, 78.528, 112.922



63, 78.528, 242.922



63, 78.528, 292.922

Sweetspot

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



63, 78.526, 62.924



90, 25.537, 75.163



50, 78.609, 5.932



46, 17.576, 74.602



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, 78.526, 62.924



69, 84.423, 62.706



89, 90.316, 104.944



46, 4.251, 77.815



49, 64.368, 63.600



13, 20.979, 64.409

Inverse Universe

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



48, 73.045, 287.925



52, 78.901, 288.176



29, 124.432, 306.359



46, 4.179, 260.365



37, 58.997, 287.150



8, 20.992, 278.818

Previews

White Background



This preview shows how the CIELCh color 63, 78.528, 62.922 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, 78.528, 62.922 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, 78.528, 62.922

Background



This preview shows how black text looks on a background with the CIELCh color 63, 78.528, 62.922.



This preview shows how white text looks on a background with the CIELCh color 63, 78.528, 62.922.

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, 78.528, 62.922

Protanopia

63, 63.872, 95.226

Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 50.636, 20.695

Trichromacy



Original Color
63, 78.528, 62.922

Protanomaly
62, 66.151, 81.330

Deuteranomaly
63, 70.504, 74.944

Tritanomaly
63, 59.834, 45.182

Monochromacy



Original Color
63, 78.528, 62.922

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 31.474, 72.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 78.528, 62.922 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(232, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 124, 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(232, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 124, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 78.528, 62.922 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(232, 124, 0) }
```

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

```
.border{ border-color:rgb(232, 124, 0) }
```

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

Here you see how a box with a 4 pixel rgb(232, 124, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 124,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 78.528, 62.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 124, 0) }
```

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

```
.background{ background-color: rgb(232,  
124, 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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