

# Converting Colors

CIELCh(60, 73.934, 64.860)

Have a look what the booklet for  
CIELCh(60, 73.934, 64.860) contains.

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**Color**

**CIELCh(60, 73.862, 64.951)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D87800
RGB	216, 120, 0
RGB Percent	85%, 47%, 0%
CMY	0.1519, 0.5286, 0.9984
CMYK	0.00, 0.44, 1.00, 0.15
HSL	33°, 100%, 42%
HSV	33°, 100%, 85%
XYZ	35.1398, 28.1233, 3.5879
YIQ	135.0240, 95.7360, -16.9680

# Conversions

## Conversions Part 2

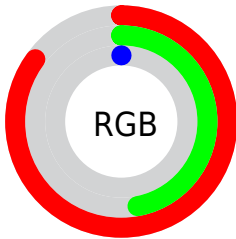
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 216, 0
Decimal	14186496
CIELab	60.00, 31.27, 66.91
CIElCh	60, 73.862, 64.951
Yxy	28.1233, 0.5256, 0.4207
Android (android.graphics.Color)	4292376576 (0xFFD87800)
YUV	135.0240, -66.5668, 71.0160
Hunter-Lab	53.0314, 25.4731, 33.1107

# Details

The CIELCh color **60, 73.862, 64.951** 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 **43, 71.656, 289.402**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 66.517, 71.321**, and **40, 59.489, 57.580** is the 20% darker color. If you saturate the color by 10%, you get **60, 73.940, 64.903**, and if you desaturate by 10%, it is **62, 69.622, 67.687**.

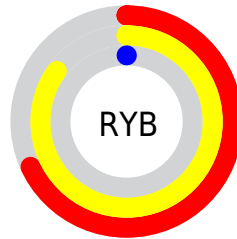
# Distribution



Red (85%)

Green (47%)

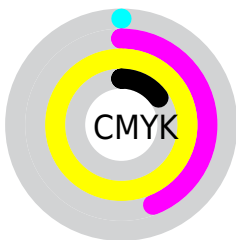
Blue (0%)



Red (68%)

Yellow (85%)

Blue (0%)

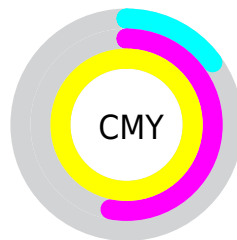


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (53%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 73.862, 64.951 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 60, 73.862, 64.951 by changing the saturation by 10% instead.



60, 73.862, 64.951

60, 73.862, 64.951

100, 73.862,  
64.951

50, 73.862, 64.951

80, 73.862, 64.951

40, 73.862, 64.951

90, 73.862, 64.951

30, 73.862, 64.951

20, 73.862, 64.951

10, 73.862, 64.951

0, 73.862, 64.951

60, 73.862, 64.951

60, 73.862, 64.951

60, 73.940, 64.903

62, 69.622, 67.687

64, 63.359, 69.842

67, 55.654, 71.576

69, 47.330, 73.104

72, 38.879, 74.534

75, 30.550, 75.916

78, 22.457, 77.265

81, 14.642, 78.583

84, 7.113, 79.853

# Harmonies

# Complementary

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



60, 73.862, 64.951



43, 71.656, 289.402

# Rectangle

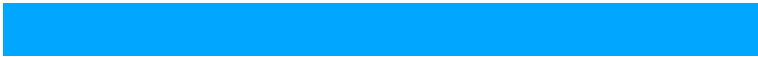
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 73.862, 64.951



60, 73.862, 114.951



60, 73.862, 244.951



60, 73.862, 294.951

# Sweetspot

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



60, 73.860, 64.953



90, 25.856, 77.202



46, 74.521, 7.277



47, 17.781, 76.631



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



60, 73.860, 64.953



70, 83.839, 64.533



83, 85.709, 105.967



44, 4.080, 79.901



48, 61.900, 65.539



10, 17.169, 65.864





# Inverse Universe

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



43, 71.656, 289.402



51, 82.119, 289.893



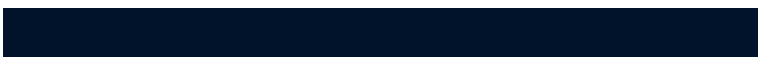
27, 117.838, 306.394



43, 4.024, 262.444



34, 59.221, 288.751



6, 18.564, 277.613



# Previews

## White Background



This preview shows how the CIELCh color 60, 73.862, 64.951 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 73.862, 64.951 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 60, 73.862, 64.951

## Background



This preview shows how black text looks on a background with the CIELCh color 60, 73.862, 64.951.



This preview shows how white text looks on a background with the CIELCh color 60, 73.862, 64.951.

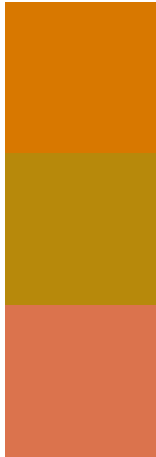
# Color Blindness Simulation

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



# Trichromacy



**Original Color**  
60, 73.862, 64.951

**Protanomaly**  
60, 63.640, 82.999

**Tritanomaly**  
60, 54.102, 46.138

# Monochromacy



**Original Color**  
60, 73.862, 64.951

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
57, 29.878, 75.110



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 73.862, 64.951 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(216, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 120, 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(216, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 120, 0) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 73.862, 64.951 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(216, 120, 0) }
```

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

```
.border{ border-color:rgb(216, 120, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 120, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 120,  
0) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 73.862, 64.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 120, 0) }
```

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

```
.background{ background-color: rgb(216,  
120, 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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