

Converting Colors

CIELCh(60, 72.577, 62.766)

Have a look what the booklet for
CIELCh(60, 72.577, 62.766) contains.

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Color

CIELCh(60, 72.710, 62.839)

Conversions

Conversions Part 1

Format	Color
Hex	DB770E
RGB	219, 119, 14
RGB Percent	86%, 47%, 5%
CMY	0.1430, 0.5348, 0.9437
CMYK	0.00, 0.46, 0.93, 0.14
HSL	31°, 88%, 46%
HSV	31°, 93%, 86%
XYZ	35.7065, 28.1233, 3.9741
YIQ	136.9300, 93.3050, -11.4550

Conversions

Conversions Part 2

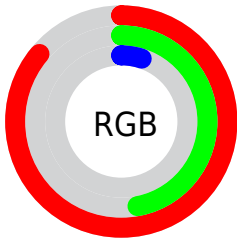
Format	Color
RYB	209, 219, 14
Decimal	14382862
CIELab	60.00, 33.19, 64.69
CIELCh	60, 72.710, 62.839
Yxy	28.1233, 0.5266, 0.4148
Android (android.graphics.Color)	4292572942 (0xFFDB770E)
YUV	136.9300, -60.6045, 71.9754
Hunter-Lab	53.0314, 27.3806, 32.6788

Details

The CIELCh color **60, 72.710, 62.839** 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 **49, 61.941, 282.728**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 64.186, 69.857**, and **40, 60.802, 56.394** is the 20% darker color. If you saturate the color by 10%, you get **58, 75.704, 61.030**, and if you desaturate by 10%, it is **62, 66.629, 65.159**.

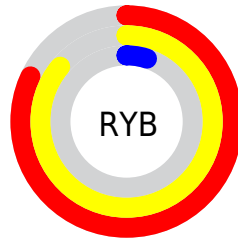
Distribution



Red (86%)

Green (47%)

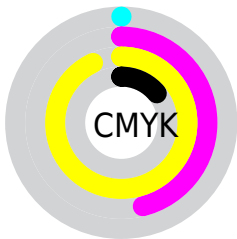
Blue (5%)



Red (82%)

Yellow (86%)

Blue (5%)

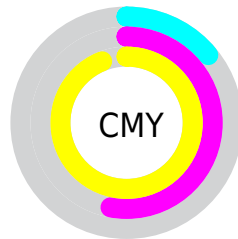


Cyan (0%)

Magenta (46%)

Yellow (93%)

Black (14%)



Cyan (14%)

Magenta (53%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 72.710, 62.839 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, 72.710, 62.839 by changing the saturation by 10% instead.

60, 72.710, 62.839

60, 72.710, 62.839

100, 72.710,
62.839

50, 72.710, 62.839

80, 72.710, 62.839

40, 72.710, 62.839

90, 72.710, 62.839

30, 72.710, 62.839

20, 72.710, 62.839

10, 72.710, 62.839

0, 72.710, 62.839

60, 72.710, 62.839

60, 72.710, 62.839

58, 75.704, 61.030

62, 66.629, 65.159

65, 58.846, 66.909

68, 50.330, 68.386

71, 41.673, 69.746

74, 33.176, 71.058

77, 24.971, 72.350

80, 17.107, 73.624

83, 9.586, 74.870

86, 2.392, 75.990

Harmonies

Complementary

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



60, 72.710, 62.839



49, 61.941, 282.728

Rectangle

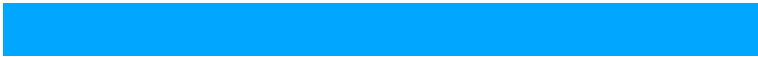
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 72.710, 62.839



60, 72.710, 112.839



60, 72.710, 242.839



60, 72.710, 292.839

Sweetspot

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



60, 72.708, 62.842



90, 23.422, 73.013



48, 74.629, 359.853



46, 16.332, 72.457



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, 72.708, 62.842



67, 85.208, 60.674



85, 84.986, 102.953



44, 4.025, 75.352



47, 63.512, 61.668



11, 18.359, 61.031

Inverse Universe

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



49, 61.941, 282.728



54, 75.271, 286.047



28, 115.978, 305.798



44, 3.944, 257.864



37, 54.996, 284.879



7, 18.421, 274.843

Previews

White Background



This preview shows how the CIELCh color 60, 72.710, 62.839 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, 72.710, 62.839 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, 72.710, 62.839

Background



This preview shows how black text looks on a background with the CIELCh color 60, 72.710, 62.839.



This preview shows how white text looks on a background with the CIELCh color 60, 72.710, 62.839.

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

60, 72.881, 62.920

Protanopia

60, 60.127, 95.248

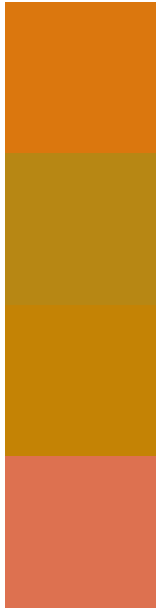
Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 47.256, 20.074

Trichromacy



Original Color
60, 72.881, 62.920

Protanomaly
59, 61.658, 81.592

Deuteranomaly
60, 66.943, 75.458

Tritanomaly
60, 54.344, 43.421

Monochromacy



Original Color
60, 72.881, 62.920

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 27.560, 70.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 72.710, 62.839 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(219, 119, 14)` looks like.

```
.text, #text, p{  
    color:rgb(219, 119, 14)  
}
```

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(219, 119, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 119, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 72.710, 62.839 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(219, 119, 14) }
```

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

```
.border{ border-color:rgb(219, 119, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 119, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 119, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 119, 14);  
box-shadow:4px 4px 4px 4px rgb(219, 119,  
14) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 72.710, 62.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 119, 14) }
```

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

```
.background{ background-color: rgb(219,  
119, 14) }
```

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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