

Converting Colors

CIELCh(60, 71.086, 59.814)

Have a look what the booklet for
CIELCh(60, 71.086, 59.814) contains.

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Color

CIELCh(60, 70.890, 59.688)

Conversions

Conversions Part 1

Format	Color
Hex	DE741C
RGB	222, 116, 28
RGB Percent	87%, 45%, 11%
CMY	0.1314, 0.5435, 0.8882
CMYK	0.00, 0.47, 0.87, 0.13
HSL	27°, 77%, 49%
HSV	27°, 87%, 87%
XYZ	36.4802, 28.1233, 4.6356
YIQ	137.6620, 91.4240, -4.8960

Conversions

Conversions Part 2

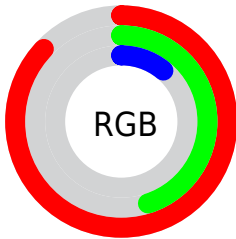
Format	Color
RYB	222, 189, 28
Decimal	14578716
CIELab	60.00, 35.78, 61.20
CIElCh	60, 70.890, 59.688
Yxy	28.1233, 0.5269, 0.4062
Android (android.graphics.Color)	4292768796 (0xFFDE741C)
YUV	137.6620, -54.0634, 73.9644
Hunter-Lab	53.0314, 29.9848, 31.9393

Details

The CIELCh color **60, 70.890, 59.688** 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 **54, 52.772, 273.844**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 61.348, 66.942**, and **40, 62.738, 53.989** is the 20% darker color. If you saturate the color by 10%, you get **57, 76.889, 57.291**, and if you desaturate by 10%, it is **63, 62.904, 61.367**.

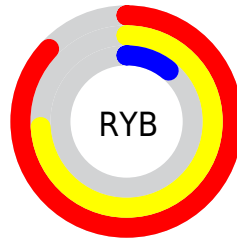
Distribution



Red (87%)

Green (45%)

Blue (11%)



Red (87%)

Yellow (74%)

Blue (11%)

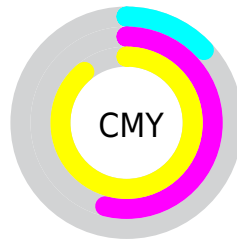


Cyan (0%)

Magenta (47%)

Yellow (87%)

Black (13%)



Cyan (13%)

Magenta (54%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 70.890, 59.688 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, 70.890, 59.688 by changing the saturation by 10% instead.

60, 70.890, 59.688

60, 70.890, 59.688

100, 70.890,
59.688

50, 70.890, 59.688

80, 70.890, 59.688

40, 70.890, 59.688

90, 70.890, 59.688

30, 70.890, 59.688

20, 70.890, 59.688

10, 70.890, 59.688

0, 70.890, 59.688

60, 70.890, 59.688

60, 70.890, 59.688

57, 76.889, 57.291

63, 62.904, 61.367

57, 78.437, 56.595

66, 54.030, 62.683

69, 45.001, 63.861

72, 36.182, 65.002

75, 27.733, 66.144

79, 19.707, 67.293

82, 12.105, 68.441

86, 4.904, 69.548

89, 1.931, 251.009

Harmonies

Complementary

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



60, 70.890, 59.688



54, 52.772, 273.844

Rectangle

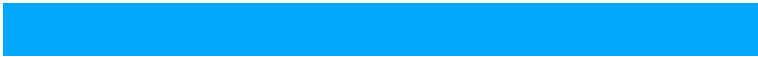
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 70.890, 59.688



60, 70.890, 109.688



60, 70.890, 239.688



60, 70.890, 289.688

Sweetspot

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



60, 70.888, 59.691



90, 21.114, 67.400



50, 75.458, 353.504



46, 14.453, 66.998



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, 70.888, 59.691



65, 87.430, 56.273



83, 80.966, 100.156



44, 3.895, 69.304



45, 65.050, 57.269



10, 18.417, 54.676

Inverse Universe

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



54, 52.772, 273.844



58, 67.222, 280.365



32, 108.726, 304.087



44, 3.785, 251.692



40, 49.211, 279.106



8, 16.874, 268.808

Previews

White Background



This preview shows how the CIELCh color 60, 70.890, 59.688 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, 70.890, 59.688 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, 70.890, 59.688

Background



This preview shows how black text looks on a background with the CIELCh color 60, 70.890, 59.688.



This preview shows how white text looks on a background with the CIELCh color 60, 70.890, 59.688.

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, 71.243, 59.479

Protanopia

60, 56.253, 95.164

Deuteranopia

60, 63.764, 83.512



Tritanopia
60, 49.069, 21.154

Trichromacy



Original Color
60, 71.243, 59.479

Protanomaly
60, 58.259, 80.304

Deuteranomaly
60, 65.214, 74.017

Tritanomaly
60, 54.594, 40.721

Monochromacy



Original Color
60, 71.243, 59.479

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 25.120, 65.881

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 70.890, 59.688 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(222, 116, 28)` looks like.

```
.text, #text, p{  
    color:rgb(222, 116, 28)  
}
```

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(222, 116, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 116, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 70.890, 59.688 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(222, 116, 28) }
```

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

```
.border{ border-color:rgb(222, 116, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 116, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 116, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 116, 28);  
box-shadow:4px 4px 4px 4px rgb(222, 116,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 70.890, 59.688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 116, 28) }
```

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

```
.background{ background-color: rgb(222,  
116, 28) }
```

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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