

Converting Colors

CIELCh(60, 70.282, 70.684)

Have a look what the booklet for
CIELCh(60, 70.282, 70.684) contains.

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Color

CIELCh(60, 70.096, 70.958)

Conversions

Conversions Part 1

Format	Color
Hex	CD7F00
RGB	205, 127, 0
RGB Percent	80%, 50%, 0%
CMY	0.1965, 0.5022, 1.0000
CMYK	0.00, 0.38, 1.00, 0.20
HSL	37°, 100%, 40%
HSV	37°, 100%, 80%
XYZ	32.7287, 28.1233, 3.6989
YIQ	135.8440, 87.2550, -22.9610

Conversions

Conversions Part 2

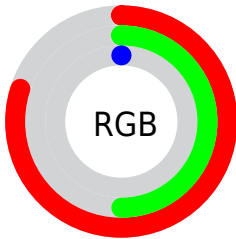
Format	Color
R _Y B	126, 205, 0
Decimal	13467392
CIE Lab	60.00, 22.87, 66.26
CIE LCh	60, 70.096, 70.958
Yxy	28.1233, 0.5070, 0.4357
Android (android.graphics.Color)	4291657472 (0xFFCD7F00)
YUV	135.8440, -66.9711, 60.6498
Hunter-Lab	53.0314, 17.3573, 32.9865

Details

The CIELCh color **60, 70.096, 70.958** 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 **38, 77.266, 294.019**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 66.638, 74.605**, and **40, 55.046, 64.574** is the 20% darker color. If you saturate the color by 10%, you get **60, 70.072, 70.953**, and if you desaturate by 10%, it is **62, 66.662, 73.532**.

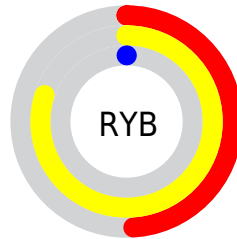
Distribution



Red (80%)

Green (50%)

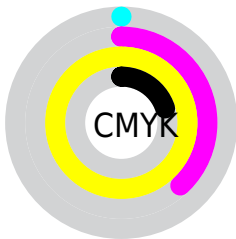
Blue (0%)



Red (49%)

Yellow (80%)

Blue (0%)

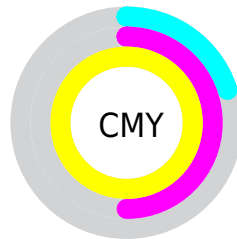


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 70.096, 70.958 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, 70.096, 70.958 by changing the saturation by 10% instead.

60, 70.096, 70.958

60, 70.096, 70.958

100, 70.096,
70.958

50, 70.096, 70.958

80, 70.096, 70.958

40, 70.096, 70.958

90, 70.096, 70.958

30, 70.096, 70.958

20, 70.096, 70.958

10, 70.096, 70.958

0, 70.096, 70.958

60, 70.096, 70.958

60, 70.096, 70.958

60, 70.072, 70.953

62, 66.662, 73.532

64, 61.300, 75.651

66, 54.371, 77.411

68, 46.646, 78.983

70, 38.622, 80.457

73, 30.576, 81.875

75, 22.644, 83.250

77, 14.891, 84.585

80, 7.340, 85.867

Harmonies

Complementary

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



60, 70.096, 70.958



38, 77.266, 294.019

Rectangle

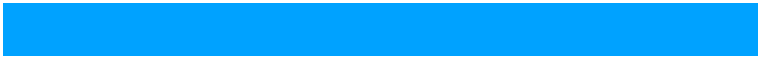
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 70.096, 70.958



60, 70.096, 120.958



60, 70.096, 250.958



60, 70.096, 300.958

Sweetspot

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



60, 70.072, 70.953



91, 27.056, 83.198



44, 72.238, 13.698



47, 18.562, 82.615



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, 70.072, 70.953



73, 82.674, 70.498



78, 82.977, 109.998



42, 4.145, 85.942



49, 59.821, 71.487



9, 14.889, 73.088

Inverse Universe

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



38, 77.266, 294.019



47, 92.359, 294.527



26, 112.787, 306.666



40, 4.122, 268.448



30, 64.942, 293.408



4, 17.370, 279.644

Previews

White Background



This preview shows how the CIELCh color 60, 70.096, 70.958 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, 70.096, 70.958 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, 70.096, 70.958

Background



This preview shows how black text looks on a background with the CIELCh color 60, 70.096, 70.958.



This preview shows how white text looks on a background with the CIELCh color 60, 70.096, 70.958.

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, 70.096, 70.958

Protanopia

60, 62.221, 95.318

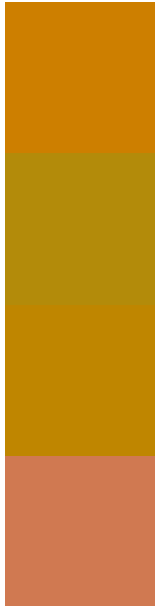
Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 38.483, 16.675

Trichromacy



Original Color
60, 70.096, 70.958

Protanomaly
60, 63.368, 85.633

Deuteranomaly
60, 66.666, 78.865

Tritanomaly
60, 47.254, 50.200

Monochromacy



Original Color
60, 70.096, 70.958

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 29.078, 81.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 70.096, 70.958 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(205, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(205, 127, 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(205, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 127, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 70.096, 70.958 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(205, 127, 0) }
```

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

```
.border{ border-color:rgb(205, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(205, 127,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 70.096, 70.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 127, 0) }
```

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

```
.background{ background-color: rgb(205,  
127, 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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