

Converting Colors

CIELCh(60, 69.818, 71.264)

Have a look what the booklet for
CIELCh(60, 69.818, 71.264) contains.

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Color

CIELCh(60, 69.819, 71.255)

Conversions

Conversions Part 1

Format	Color
Hex	CC7F00
RGB	204, 127, 0
RGB Percent	80%, 50%, 0%
CMY	0.1988, 0.5010, 0.9980
CMYK	0.00, 0.38, 1.00, 0.20
HSL	37°, 100%, 40%
HSV	37°, 100%, 80%
XYZ	32.6076, 28.1233, 3.7238
YIQ	135.5450, 86.6590, -23.1730

Conversions

Conversions Part 2

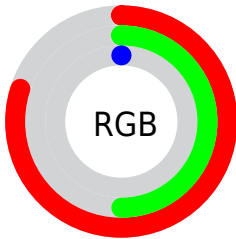
Format	Color
R _Y B	124, 204, 0
Decimal	13401856
CIE Lab	60.00, 22.44, 66.12
CIE LCh	60, 69.819, 71.255
Yxy	28.1233, 0.5059, 0.4363
Android (android.graphics.Color)	4291591936 (0xFFCC7F00)
YUV	135.5450, -66.8237, 60.0350
Hunter-Lab	53.0314, 16.9497, 32.9588

Details

The CIELCh color **60, 69.819, 71.255** 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 **37, 77.210, 294.090**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 67.013, 74.733**, and **40, 54.704, 64.922** is the 20% darker color. If you saturate the color by 10%, you get **60, 69.899, 71.197**, and if you desaturate by 10%, it is **62, 66.413, 73.823**.

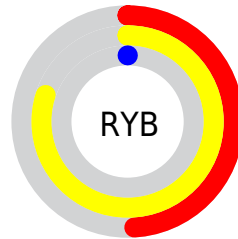
Distribution



Red (80%)

Green (50%)

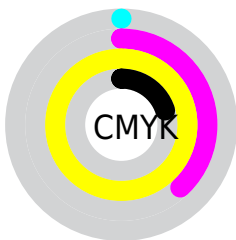
Blue (0%)



Red (49%)

Yellow (80%)

Blue (0%)

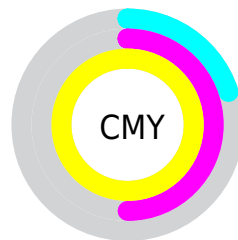


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 69.819, 71.255 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, 69.819, 71.255 by changing the saturation by 10% instead.

60, 69.819, 71.255

60, 69.819, 71.255

100, 69.819,
71.255

50, 69.819, 71.255

80, 69.819, 71.255

40, 69.819, 71.255

90, 69.819, 71.255

30, 69.819, 71.255

20, 69.819, 71.255

10, 69.819, 71.255

0, 69.819, 71.255

60, 69.819, 71.255

60, 69.819, 71.255

60, 69.899, 71.197

62, 66.413, 73.823

64, 61.035, 75.925

66, 54.109, 77.676

68, 46.397, 79.245

70, 38.391, 80.717

73, 30.360, 82.133

75, 22.443, 83.507

77, 14.701, 84.840

80, 7.158, 86.119

Harmonies

Complementary

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



60, 69.819, 71.255



37, 77.210, 294.090

Rectangle

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



60, 69.819, 71.255



60, 69.819, 121.255



60, 69.819, 251.255



60, 69.819, 301.255

Sweetspot

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



60, 69.817, 71.258



91, 27.109, 83.421



43, 72.009, 13.567



47, 18.596, 82.838



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, 69.817, 71.258



73, 82.650, 70.737



78, 82.742, 109.988



42, 4.154, 86.164



49, 59.809, 71.721



9, 14.912, 73.395

Inverse Universe

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



37, 77.210, 294.090



47, 92.762, 294.688



26, 112.412, 306.652



40, 4.133, 268.668



30, 65.226, 293.574



4, 17.415, 279.783

Previews

White Background



This preview shows how the CIELCh color 60, 69.819, 71.255 looks on a white background.

Color Contrast Check

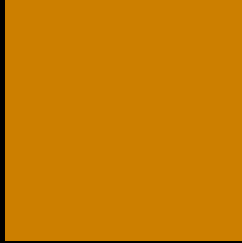
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.819, 71.255 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, 69.819, 71.255

Background



This preview shows how black text looks on a background with the CIELCh color 60, 69.819, 71.255.



This preview shows how white text looks on a background with the CIELCh color 60, 69.819, 71.255.

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, 69.819, 71.255

Protanopia

60, 61.958, 94.839

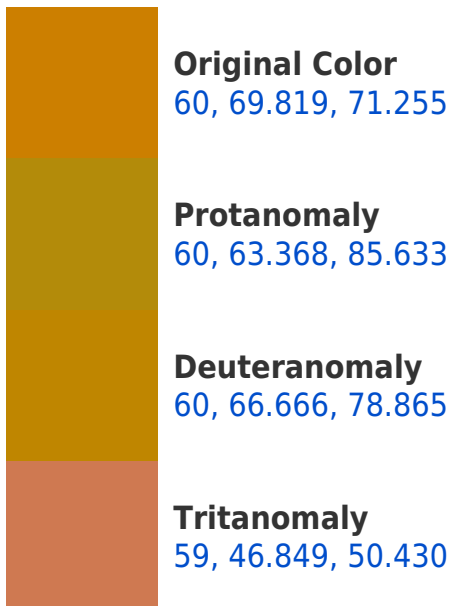
Deuteranopia

60, 65.433, 83.803



Tritanopia
60, 38.070, 16.539

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 69.819, 71.255 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(204, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 127, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 69.819, 71.255 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(204, 127, 0) }
```

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

```
.border{ border-color:rgb(204, 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(204, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 127,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 69.819, 71.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 127, 0) }
```

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

```
.background{ background-color: rgb(204,  
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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