

Converting Colors

CIELCh(71, 77.519, 76.189)

Have a look what the booklet for
CIELCh(71, 77.519, 76.189) contains.

CIELCh(71, 77.383, 76.397)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(71, 77.383, 76.397)

Conversions

Conversions Part 1

Format	Color
Hex	EA9F00
RGB	234, 159, 0
RGB Percent	92%, 62%, 0%
CMY	0.0832, 0.3772, 1.0000
CMYK	0.00, 0.32, 1.00, 0.08
HSL	41°, 100%, 46%
HSV	41°, 100%, 92%
XYZ	46.2241, 42.1875, 5.6933
YIQ	163.2990, 95.7390, -33.5490

Conversions

Conversions Part 2

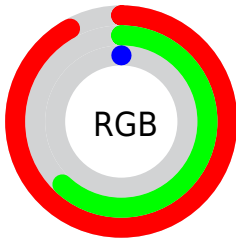
Format	Color
R _Y B	110, 234, 0
Decimal	15376128
CIE Lab	71.00, 18.20, 75.21
CIE LCh	71, 77.383, 76.397
Yxy	42.1875, 0.4912, 0.4483
Android (android.graphics.Color)	4293566208 (0xFFEA9F00)
YUV	163.2990, -80.5064, 62.0048
Hunter-Lab	64.9519, 13.3667, 40.2694

Details

The CIELCh color **71, 77.383, 76.397** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **40, 94.902, 297.827**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 69.795, 89.637**, and **51, 61.447, 72.175** is the 20% darker color. If you saturate the color by 10%, you get **71, 77.328, 76.387**, and if you desaturate by 10%, it is **73, 74.519, 78.792**.

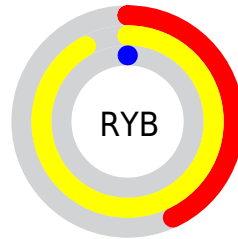
Distribution



Red (92%)

Green (62%)

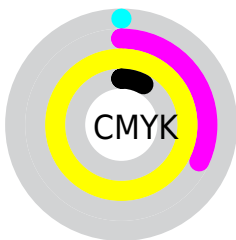
Blue (0%)



Red (43%)

Yellow (92%)

Blue (0%)

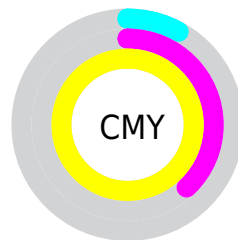


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (8%)



Cyan (8%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 77.383, 76.397 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 71, 77.383, 76.397 by changing the saturation by 10% instead.

71, 77.383, 76.397

71, 77.383, 76.397

100, 77.383,
76.397

61, 77.383, 76.397

91, 77.383, 76.397

51, 77.383, 76.397

41, 77.383, 76.397

31, 77.383, 76.397

21, 77.383, 76.397

11, 77.383, 76.397

1, 77.383, 76.397

0, 77.383, 76.397

71, 77.383, 76.397

71, 77.383, 76.397

71, 77.328, 76.387

73, 74.519, 78.792

75, 69.274, 80.789

77, 62.025, 82.493

79, 53.631, 84.038

81, 44.698, 85.497

83, 35.584, 86.902

85, 26.482, 88.266

88, 17.491, 89.588

90, 8.655, 90.857

Harmonies

Complementary

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



71, 77.383, 76.397



40, 94.902, 297.827

Rectangle

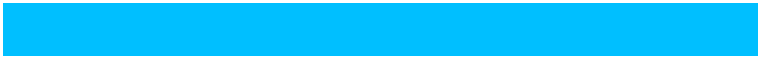
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 77.383, 76.397



71, 77.383, 126.397



71, 77.383, 256.397



71, 77.383, 306.397

Sweetspot

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



71, 77.328, 76.387



92, 28.419, 88.247



50, 81.256, 18.976



48, 19.457, 87.674



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 77.328, 76.387



77, 82.571, 76.242



87, 92.489, 112.987



48, 4.928, 90.923



56, 63.887, 76.884



16, 23.521, 79.743

Inverse Universe

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



40, 94.902, 297.827



43, 101.847, 297.994



30, 124.058, 306.915



46, 4.933, 273.393



30, 77.040, 297.241



6, 27.285, 289.569

Previews

White Background



This preview shows how the CIELCh color 71, 77.383, 76.397 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 71, 77.383, 76.397 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 ✓ Pass

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

CIELCh 71, 77.383, 76.397

Background



This preview shows how black text looks on a background with the CIELCh color 71, 77.383, 76.397.



This preview shows how white text looks on a background with the CIELCh color 71, 77.383, 76.397.

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

71, 77.383, 76.397

Protanopia

71, 71.997, 95.059

Deuteranopia

71, 74.923, 83.154



Tritanopia
71, 37.430, 14.223

Trichromacy



Original Color
71, 77.383, 76.397

Protanomaly
71, 72.741, 88.029

Deuteranomaly
71, 75.670, 80.736

Tritanomaly
71, 48.419, 55.676

Monochromacy



Original Color
71, 77.383, 76.397

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 33.529, 85.577

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 77.383, 76.397 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(234, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(234, 159, 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(234, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 159, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 77.383, 76.397 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(234, 159, 0) }
```

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

```
.border{ border-color:rgb(234, 159, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 159, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(234, 159,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 77.383, 76.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 159, 0) }
```

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

```
.background{ background-color: rgb(234,  
159, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor