

Converting Colors

CIELCh(68, 81.636, 77.191)

Have a look what the booklet for
CIELCh(68, 81.636, 77.191) contains.

CIELCh(68, 75.088, 75.666)	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(68, 75.088, 75.666)

Conversions

Conversions Part 1

Format	Color
Hex	E19700
RGB	225, 151, 0
RGB Percent	88%, 59%, 0%
CMY	0.1192, 0.4091, 1.0000
CMYK	0.00, 0.33, 1.00, 0.12
HSL	40°, 100%, 44%
HSV	40°, 100%, 88%
XYZ	41.9407, 37.9720, 5.0964
YIQ	155.9120, 92.5750, -31.2730

Conversions

Conversions Part 2

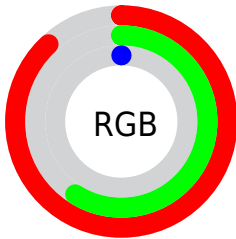
Format	Color
RYB	110, 225, 0
Decimal	14784256
CIELab	68.00, 18.59, 72.75
CIElCh	68, 75.088, 75.666
Yxy	37.9720, 0.4934, 0.4467
Android (android.graphics.Color)	4292974336 (0xFFE19700)
YUV	155.9120, -76.8646, 60.5902
Hunter-Lab	61.6215, 13.6530, 38.2314

Details

The CIELCh color **68, 75.088, 75.666** 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 **38, 90.656, 297.292**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.500, 85.857**, and **48, 59.409, 70.620** is the 20% darker color. If you saturate the color by 10%, you get **68, 74.989, 75.644**, and if you desaturate by 10%, it is **70, 72.099, 78.072**.

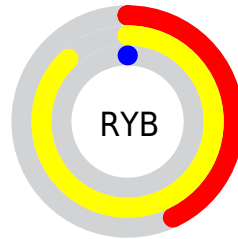
Distribution



Red (88%)

Green (59%)

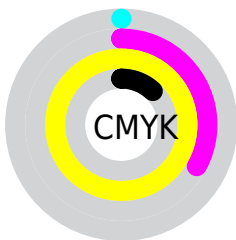
Blue (0%)



Red (43%)

Yellow (88%)

Blue (0%)

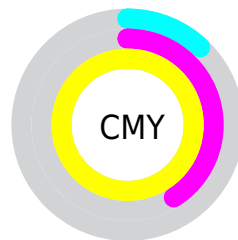


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 75.088, 75.666 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 68, 75.088, 75.666 by changing the saturation by 10% instead.

68, 75.088, 75.666

68, 75.088, 75.666

100, 75.088,
75.666

58, 75.088, 75.666

88, 75.088, 75.666

48, 75.088, 75.666

98, 75.088, 75.666

38, 75.088, 75.666

28, 75.088, 75.666

18, 75.088, 75.666

8, 75.088, 75.666

0, 75.088, 75.666

68, 75.088, 75.666

68, 75.088, 75.666

68, 74.989, 75.644

70, 72.099, 78.072

72, 66.905, 80.088

74, 59.815, 81.802

76, 51.659, 83.353

78, 43.014, 84.815

80, 34.217, 86.224

82, 25.448, 87.590

85, 16.798, 88.913

87, 8.307, 90.185

Harmonies

Complementary

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



68, 75.088, 75.666



38, 90.656, 297.292

Rectangle

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



68, 75.088, 75.666



68, 75.088, 125.666



68, 75.088, 255.666



68, 75.088, 305.666

Sweetspot

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



68, 74.989, 75.644



92, 28.212, 87.561



48, 78.791, 18.831



48, 19.321, 86.986



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 74.989, 75.644



76, 82.525, 75.422



84, 89.734, 112.965



46, 4.710, 90.253



54, 62.505, 76.147



14, 20.862, 78.989

Inverse Universe

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



38, 90.656, 297.292



44, 100.517, 297.546



29, 120.348, 306.928



44, 4.712, 272.724



30, 74.266, 296.702



5, 24.177, 286.763

Previews

White Background



This preview shows how the CIELCh color 68, 75.088, 75.666 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 68, 75.088, 75.666 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 68, 75.088, 75.666

Background



This preview shows how black text looks on a background with the CIELCh color 68, 75.088, 75.666.



This preview shows how white text looks on a background with the CIELCh color 68, 75.088, 75.666.

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

68, 75.088, 75.666

Protanopia

68, 69.288, 95.458

Deuteranopia

68, 72.421, 83.439



Tritanopia
68, 36.993, 14.988

Trichromacy



Original Color
68, 75.088, 75.666

Protanomaly
68, 70.168, 87.731

Deuteranomaly
68, 73.081, 80.477

Tritanomaly
68, 47.895, 54.991

Monochromacy



Original Color
68, 75.088, 75.666

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 32.613, 85.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 75.088, 75.666 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(225, 151, 0)` looks like.

```
.text, #text, p{  
    color:rgb(225, 151, 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(225, 151, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 151, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 75.088, 75.666 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(225, 151, 0) }
```

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

```
.border{ border-color:rgb(225, 151, 0) }
```

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

Here you see how a box with a 4 pixel rgb(225, 151, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 151, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 151, 0);  
box-shadow:4px 4px 4px 4px rgb(225, 151,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 75.088, 75.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 151, 0) }
```

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

```
.background{ background-color: rgb(225,  
151, 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