

Converting Colors

CIELCh(68, 76.190, 73.016)

Have a look what the booklet for
CIELCh(68, 76.190, 73.016) contains.

CIELCh(68, 76.191, 72.948)	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, 76.191, 72.948)

Conversions

Conversions Part 1

Format	Color
Hex	E69401
RGB	230, 148, 1
RGB Percent	90%, 58%, 0%
CMY	0.0983, 0.4198, 0.9966
CMYK	0.00, 0.36, 1.00, 0.10
HSL	39°, 99%, 45%
HSV	39°, 100%, 90%
XYZ	43.1933, 37.9720, 5.0771
YIQ	155.7600, 96.0590, -28.3330

Conversions

Conversions Part 2

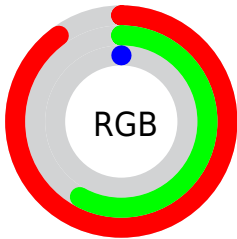
Format	Color
R_{YB}	129, 230, 1
Decimal	15111169
CIE _{Lab}	68.00, 22.34, 72.84
CIE _{LCh}	68, 76.191, 72.948
Yxy	37.9720, 0.5008, 0.4403
Android (android.graphics.Color)	4293301249 (0xFFE69401)
YUV	155.7600, -76.2967, 65.1085
Hunter-Lab	61.6215, 17.2813, 38.2500

Details

The CIELCh color **68, 76.191, 72.948** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **41, 87.859, 295.582**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 67.892, 84.512**, and **48, 60.798, 67.588** is the 20% darker color. If you saturate the color by 10%, you get **68, 76.300, 72.854**, and if you desaturate by 10%, it is **70, 72.948, 75.530**.

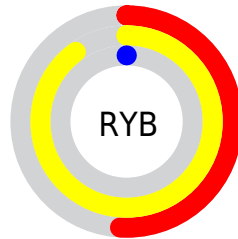
Distribution



Red (90%)

Green (58%)

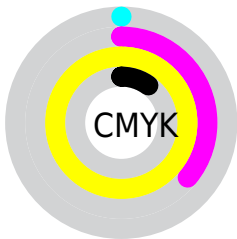
Blue (0%)



Red (51%)

Yellow (90%)

Blue (0%)

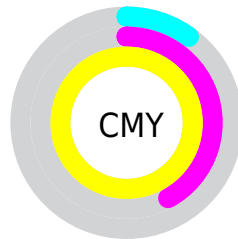


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 76.191, 72.948 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, 76.191, 72.948 by changing the saturation by 10% instead.

68, 76.191, 72.948

68, 76.191, 72.948

100, 76.191,
72.948

58, 76.191, 72.948

88, 76.191, 72.948

48, 76.191, 72.948

98, 76.191, 72.948

38, 76.191, 72.948

28, 76.191, 72.948

18, 76.191, 72.948

8, 76.191, 72.948

0, 76.191, 72.948

68, 76.191, 72.948

68, 76.191, 72.948

68, 76.300, 72.854

70, 72.948, 75.530

72, 67.335, 77.626

74, 59.897, 79.382

76, 51.491, 80.958

79, 42.684, 82.439

81, 33.797, 83.863

84, 24.997, 85.243

86, 16.361, 86.581

89, 7.922, 87.865

Harmonies

Complementary

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



68, 76.191, 72.948



41, 87.859, 295.582

Rectangle

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



68, 76.191, 72.948



68, 76.191, 122.948



68, 76.191, 252.948



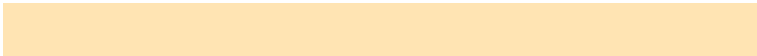
68, 76.191, 302.948

Sweetspot

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



68, 76.189, 72.951



92, 27.546, 85.169



49, 79.124, 15.542



48, 18.883, 84.588



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, 76.189, 72.951



75, 82.520, 72.660



86, 90.667, 111.019



47, 4.666, 87.886



54, 63.125, 73.410



14, 21.781, 76.028

Inverse Universe

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



41, 87.859, 295.582



45, 95.975, 295.926



29, 122.697, 306.705



45, 4.652, 270.402



32, 71.725, 295.073



6, 24.698, 286.553

Previews

White Background



This preview shows how the CIELCh color 68, 76.191, 72.948 looks on a white background.

Color Contrast Check

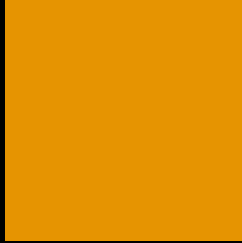
Large Text (above 18pt) WCAG AA × Fail

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, 76.191, 72.948 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, 76.191, 72.948

Background



This preview shows how black text looks on a background with the CIELCh color 68, 76.191, 72.948.



This preview shows how white text looks on a background with the CIELCh color 68, 76.191, 72.948.

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, 76.191, 72.948

Protanopia

68, 69.129, 95.458

Deuteranopia

68, 72.421, 83.439



Tritanopia
68, 39.903, 15.979

Trichromacy



Original Color
68, 76.191, 72.948

Protanomaly
68, 70.295, 86.571

Deuteranomaly
68, 73.421, 79.400

Tritanomaly
68, 50.353, 52.773

Monochromacy



Original Color
68, 76.191, 72.948

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 32.205, 82.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 76.191, 72.948 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(230, 148, 1)` looks like.

```
.text, #text, p{  
    color:rgb(230, 148, 1)  
}
```

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(230, 148, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 148, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 76.191, 72.948 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(230, 148, 1) }
```

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

```
.border{ border-color:rgb(230, 148, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 148, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 148, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 148, 1);  
box-shadow:4px 4px 4px 4px rgb(230, 148,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 76.191, 72.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 148, 1) }
```

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

```
.background{ background-color: rgb(230,  
148, 1) }
```

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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