

Converting Colors

CIELCh(68, 76.470, 72.341)

Have a look what the booklet for
CIELCh(68, 76.470, 72.341) contains.

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Color

CIELCh(68, 76.466, 72.261)

Conversions

Conversions Part 1

Format	Color
Hex	E79302
RGB	231, 147, 2
RGB Percent	91%, 58%, 1%
CMY	0.0931, 0.4226, 0.9940
CMYK	0.00, 0.36, 0.99, 0.09
HSL	38°, 99%, 46%
HSV	38°, 99%, 91%
XYZ	43.5162, 37.9720, 5.0795
YIQ	155.5860, 96.6090, -27.2870

Conversions

Conversions Part 2

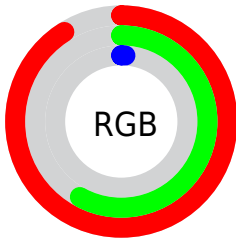
Format	Color
R_{YB}	135, 231, 2
Decimal	15176450
CIE _{Lab}	68.00, 23.30, 72.83
CIE _{LCh}	68, 76.466, 72.261
Yxy	37.9720, 0.5027, 0.4386
Android (android.graphics.Color)	4293366530 (0xFFE79302)
YUV	155.5860, -75.7179, 66.1381
Hunter-Lab	61.6215, 18.2167, 38.2477

Details

The CIELCh color **68, 76.466, 72.261** 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 **42, 86.840, 295.013**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 67.698, 84.058**, and **48, 61.195, 66.730** is the 20% darker color. If you saturate the color by 10%, you get **68, 76.667, 72.089**, and if you desaturate by 10%, it is **70, 73.090, 74.873**.

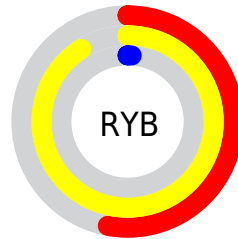
Distribution



Red (91%)

Green (58%)

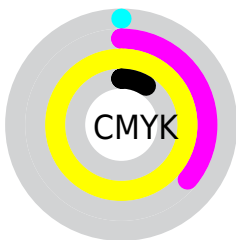
Blue (1%)



Red (53%)

Yellow (91%)

Blue (1%)

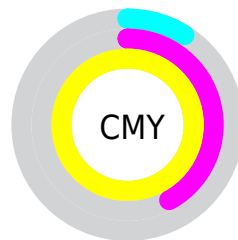


Cyan (0%)

Magenta (36%)

Yellow (99%)

Black (9%)



Cyan (9%)

Magenta (42%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 76.466, 72.261 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, 76.466, 72.261 by changing the saturation by 10% instead.

68, 76.466, 72.261

68, 76.466, 72.261

100, 76.466,
72.261

58, 76.466, 72.261

88, 76.466, 72.261

48, 76.466, 72.261

98, 76.466, 72.261

38, 76.466, 72.261

28, 76.466, 72.261

18, 76.466, 72.261

8, 76.466, 72.261

0, 76.466, 72.261

68, 76.466, 72.261

68, 76.466, 72.261

68, 76.667, 72.089

70, 73.090, 74.873

72, 67.313, 76.977

74, 59.754, 78.736

77, 51.268, 80.313

79, 42.415, 81.795

81, 33.506, 83.220

84, 24.702, 84.602

87, 16.077, 85.942

89, 7.659, 87.226

Harmonies

Complementary

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



68, 76.466, 72.261



42, 86.840, 295.013

Rectangle

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



68, 76.466, 72.261



68, 76.466, 122.261



68, 76.466, 252.261



68, 76.466, 302.261

Sweetspot

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



68, 76.464, 72.264



91, 27.371, 84.490



49, 79.388, 15.411



48, 18.768, 83.908



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, 76.464, 72.264



74, 82.558, 71.903



87, 91.007, 111.007



47, 4.631, 87.212



53, 63.141, 72.668



14, 21.691, 75.207

Inverse Universe

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



42, 86.840, 295.013



46, 94.715, 295.451



30, 123.097, 306.692



45, 4.613, 269.736



32, 70.780, 294.584



6, 24.443, 286.129

Previews

White Background



This preview shows how the CIELCh color 68, 76.466, 72.261 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, 76.466, 72.261 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, 76.466, 72.261

Background



This preview shows how black text looks on a background with the CIELCh color 68, 76.466, 72.261.



This preview shows how white text looks on a background with the CIELCh color 68, 76.466, 72.261.

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, 76.341, 72.223

Protanopia

68, 69.129, 95.458

Deuteranopia

68, 72.421, 83.439



Tritanopia
68, 40.757, 16.261

Trichromacy



Original Color
68, 76.341, 72.223

Protanomaly
68, 70.169, 86.556

Deuteranomaly
68, 73.504, 79.058

Tritanomaly
68, 50.849, 51.887

Monochromacy



Original Color
68, 76.341, 72.223

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, 76.466, 72.261 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(231, 147, 2)` looks like.

```
.text, #text, p{  
    color:rgb(231, 147, 2)  
}
```

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(231, 147, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 147, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 76.466, 72.261 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(231, 147, 2) }
```

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

```
.border{ border-color:rgb(231, 147, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 147, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 147, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 147, 2);  
box-shadow:4px 4px 4px 4px rgb(231, 147,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 76.466, 72.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 147, 2) }
```

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

```
.background{ background-color: rgb(231,  
147, 2) }
```

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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