

Converting Colors

CIELCh(72, 82.917, 68.649)

Have a look what the booklet for
CIELCh(72, 82.917, 68.649) contains.

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Color

CIELCh(72, 82.691, 68.523)

Conversions

Conversions Part 1

Format	Color
Hex	FE9801
RGB	254, 152, 1
RGB Percent	100%, 60%, 0%
CMY	0.0028, 0.4030, 0.9976
CMYK	0.00, 0.40, 1.00, 0.00
HSL	36°, 100%, 50%
HSV	36°, 100%, 100%
XYZ	52.2472, 43.6590, 5.6903
YIQ	165.2840, 109.2630, -25.3370

Conversions

Conversions Part 2

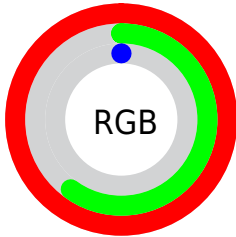
Format	Color
R _Y B	172, 254, 1
Decimal	16685057
CIE Lab	72.00, 30.28, 76.95
CIE LCh	72, 82.691, 68.523
Yxy	43.6590, 0.5143, 0.4297
Android (android.graphics.Color)	4294875137 (0xFFFE9801)
YUV	165.2840, -80.9920, 77.8039
Hunter-Lab	66.0750, 25.5134, 41.1465

Details

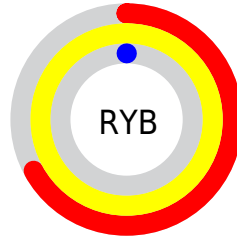
The CIELCh color **72, 82.691, 68.523** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **48, 88.460, 292.985**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.161, 86.620**, and **52, 67.662, 62.724** is the 20% darker color. If you saturate the color by 10%, you get **72, 82.772, 68.458**, and if you desaturate by 10%, it is **74, 78.859, 71.344**.

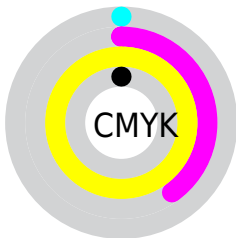
Distribution



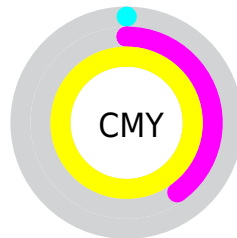
- Red (100%)
- Green (60%)
- Blue (0%)



- Red (67%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 82.691, 68.523 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 72, 82.691, 68.523 by changing the saturation by 10% instead.

 72, 82.691, 68.523

 72, 82.691, 68.523

 100, 82.691,
68.523

 62, 82.691, 68.523

 92, 82.691, 68.523

 52, 82.691, 68.523

 42, 82.691, 68.523

 32, 82.691, 68.523

 22, 82.691, 68.523

 12, 82.691, 68.523

 2, 82.691, 68.523

 0, 82.691, 68.523

 72, 82.691, 68.523

 72, 82.691, 68.523

72, 82.772, 68.458

74, 78.859, 71.344

77, 72.421, 73.561

79, 64.088, 75.367

82, 54.829, 76.963

85, 45.259, 78.454

88, 35.708, 79.886

91, 26.338, 81.276

94, 17.218, 82.627

97, 8.370, 83.925

Harmonies

Complementary

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



72, 82.691, 68.523



48, 88.460, 292.985

Rectangle

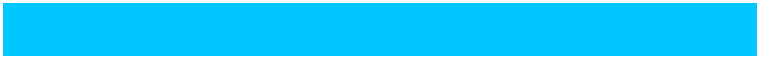
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 82.691, 68.523



72, 82.691, 118.523



72, 82.691, 248.523



72, 82.691, 298.523

Sweetspot

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



72, 82.689, 68.525



91, 26.619, 81.243



54, 84.500, 11.046



47, 18.276, 80.661



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 82.689, 68.525



72, 82.949, 68.452



95, 97.168, 108.054



52, 4.884, 83.957



55, 66.730, 69.097



18, 27.363, 71.642

Inverse Universe

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



48, 88.460, 292.985



48, 88.892, 293.080



33, 132.999, 306.470



50, 4.842, 266.540



36, 70.286, 292.360



10, 28.241, 286.623

Previews

White Background



This preview shows how the CIELCh color 72, 82.691, 68.523 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 72, 82.691, 68.523 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 72, 82.691, 68.523

Background



This preview shows how black text looks on a background with the CIELCh color 72, 82.691, 68.523.



This preview shows how white text looks on a background with the CIELCh color 72, 82.691, 68.523.

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

72, 82.578, 68.486

Protanopia

72, 72.081, 94.780

Deuteranopia

72, 75.940, 83.129



Tritanopia
72, 44.824, 17.299

Trichromacy



Original Color
72, 82.578, 68.486

Protanomaly
72, 73.867, 84.209

Deuteranomaly
72, 77.708, 77.335

Tritanomaly
72, 56.510, 49.918

Monochromacy



Original Color
72, 82.578, 68.486

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 34.374, 79.004

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 82.691, 68.523 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(254, 152, 1)` looks like.

```
.text, #text, p{  
    color:rgb(254, 152, 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(254, 152, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 152, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 82.691, 68.523 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(254, 152, 1) }
```

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

```
.border{ border-color:rgb(254, 152, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 152, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 152, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 152, 1);  
box-shadow:4px 4px 4px 4px rgb(254, 152,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 82.691, 68.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 152, 1) }
```

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

```
.background{ background-color: rgb(254,  
152, 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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