

Converting Colors

CIELCh(72, 82.486, 69.199)

Have a look what the booklet for
CIELCh(72, 82.486, 69.199) contains.

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Color

CIELCh(72, 82.352, 69.123)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | FD9900 |
| RGB | 253, 153, 0 |
| RGB Percent | 99%, 60%, 0% |
| CMY | 0.0079, 0.4000, 1.0000 |
| CMYK | 0.00, 0.40, 1.00, 0.01 |
| HSL | 36°, 100%, 50% |
| HSV | 36°, 100%, 99% |
| XYZ | 51.8928, 43.6590, 5.6912 |
| YIQ | 165.4580, 108.7130, -26.3830 |

Conversions

Conversions Part 2

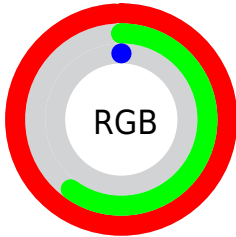
| Format | Color |
|-------------------------------------|--|
| RYB | 165, 253, 0 |
| Decimal | 16619776 |
| CIELab | 72.00, 29.35, 76.95 |
| CIELCh | 72, 82.352, 69.123 |
| Yxy | 43.6590, 0.5126, 0.4312 |
| Android (android.graphics.Color) | 4294809856 (0xFFFD9900) |
| YUV | 165.4580, -81.5708, 76.7743 |
| Hunter-Lab | 66.0750, 24.5559, 41.1457 |

Details

The CIELCh color **72, 82.352, 69.123** 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 **47, 89.432, 293.542**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 68.383, 87.061**, and **52, 67.537, 63.177** is the 20% darker color. If you saturate the color by 10%, you get **72, 82.348, 69.125**, and if you desaturate by 10%, it is **74, 78.656, 71.927**.

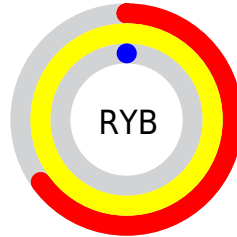
Distribution



Red (99%)

Green (60%)

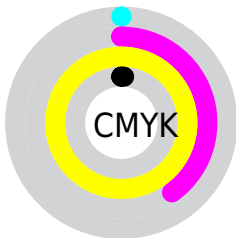
Blue (0%)



Red (65%)

Yellow (99%)

Blue (0%)

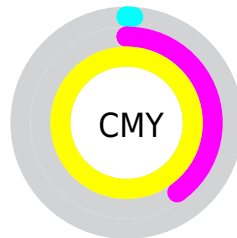


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 82.352, 69.123 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, 82.352, 69.123 by changing the saturation by 10% instead.

 72, 82.352, 69.123

 72, 82.352, 69.123

 100, 82.352,
69.123

 62, 82.352, 69.123

 92, 82.352, 69.123

 52, 82.352, 69.123

 42, 82.352, 69.123

 32, 82.352, 69.123

 22, 82.352, 69.123

 12, 82.352, 69.123

 2, 82.352, 69.123

 0, 82.352, 69.123

 72, 82.352, 69.123

 72, 82.352, 69.123

72, 82.348, 69.125

74, 78.656, 71.927

77, 72.381, 74.147

79, 64.170, 75.959

82, 54.993, 77.561

85, 45.472, 79.055

87, 35.947, 80.491

90, 26.585, 81.883

93, 17.460, 83.236

96, 8.595, 84.536

Harmonies

Complementary

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



72, 82.352, 69.123



47, 89.432, 293.542

Rectangle

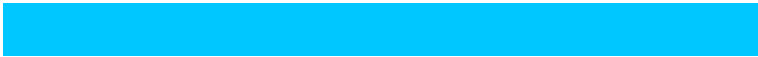
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 82.352, 69.123



72, 82.352, 119.123



72, 82.352, 249.123



72, 82.352, 299.123

Sweetspot

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



72, 82.348, 69.125



91, 26.757, 81.882



54, 84.492, 12.797



47, 18.366, 81.299



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, 82.348, 69.125



73, 82.847, 69.110



95, 97.043, 109.077



52, 4.914, 84.597



56, 66.659, 69.746



18, 27.420, 72.337

Inverse Universe

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



47, 89.432, 293.542



48, 90.011, 293.559



32, 132.460, 306.543



50, 4.877, 267.176



36, 71.170, 292.848



10, 28.583, 287.171

Previews

White Background



This preview shows how the CIELCh color 72, 82.352, 69.123 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, 82.352, 69.123 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, 82.352, 69.123

Background



This preview shows how black text looks on a background with the CIELCh color 72, 82.352, 69.123.



This preview shows how white text looks on a background with the CIELCh color 72, 82.352, 69.123.

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, 82.352, 69.123

Protanopia

72, 72.081, 94.780

Deuteranopia

72, 75.940, 83.129



Tritanopia
72, 44.824, 17.299

Trichromacy



Original Color
72, 82.352, 69.123

Protanomaly
72, 73.701, 84.538

Deuteranomaly
72, 77.749, 77.741

Tritanomaly
71, 56.119, 50.099

Monochromacy



Original Color
72, 82.352, 69.123

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 34.596, 79.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 82.352, 69.123 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(253, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(253, 153, 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(253, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 153, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 82.352, 69.123 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(253, 153, 0) }
```

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

```
.border{ border-color:rgb(253, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(253, 153,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 82.352, 69.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 153, 0) }
```

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

```
.background{ background-color: rgb(253,  
153, 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](#).

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