

Converting Colors

CIELCh(71, 82.591, 67.206)

Have a look what the booklet for
CIELCh(71, 82.591, 67.206) contains.

CIELCh(71, 82.555, 67.239)	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(71, 82.555, 67.239)

Conversions

Conversions Part 1

Format	Color
Hex	FD9402
RGB	253, 148, 2
RGB Percent	99%, 58%, 1%
CMY	0.0068, 0.4187, 0.9938
CMYK	0.00, 0.41, 0.99, 0.01
HSL	35°, 99%, 50%
HSV	35°, 99%, 99%
XYZ	51.2411, 42.1875, 5.4871
YIQ	162.7510, 109.4460, -23.1460

Conversions

Conversions Part 2

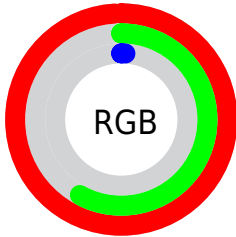
Format	Color
RYB	183, 253, 2
Decimal	16618498
CIELab	71.00, 31.94, 76.13
CIELCh	71, 82.555, 67.239
Yxy	42.1875, 0.5180, 0.4265
Android (android.graphics.Color)	4294808578 (0xFFFD9402)
YUV	162.7510, -79.2502, 79.1484
Hunter-Lab	64.9519, 27.1542, 40.4576

Details

The CIELCh color **71, 82.555, 67.239** 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 **49, 85.432, 291.754**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 67.319, 84.823**, and **51, 67.859, 61.185** is the 20% darker color. If you saturate the color by 10%, you get **71, 82.781, 67.063**, and if you desaturate by 10%, it is **73, 78.454, 70.078**.

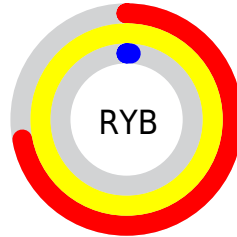
Distribution



Red (99%)

Green (58%)

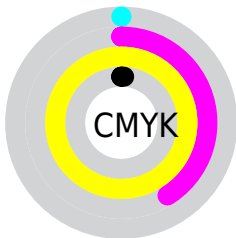
Blue (1%)



Red (72%)

Yellow (99%)

Blue (1%)

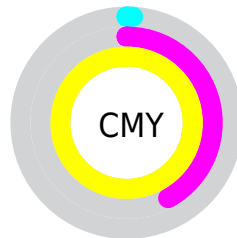


Cyan (0%)

Magenta (41%)

Yellow (99%)

Black (1%)



Cyan (1%)

Magenta (42%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 82.555, 67.239 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 71, 82.555, 67.239 by changing the saturation by 10% instead.

71, 82.555, 67.239

71, 82.555, 67.239

100, 82.555,
67.239

61, 82.555, 67.239

91, 82.555, 67.239

51, 82.555, 67.239

41, 82.555, 67.239

31, 82.555, 67.239

21, 82.555, 67.239

11, 82.555, 67.239

1, 82.555, 67.239

0, 82.555, 67.239

71, 82.555, 67.239

71, 82.555, 67.239

71, 82.781, 67.063

73, 78.454, 70.078

76, 71.758, 72.282

79, 63.272, 74.070

81, 53.953, 75.650

84, 44.392, 77.127

87, 34.899, 78.548

90, 25.621, 79.931

93, 16.618, 81.275

96, 7.906, 82.568

Harmonies

Complementary

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



71, 82.555, 67.239



49, 85.432, 291.754

Rectangle

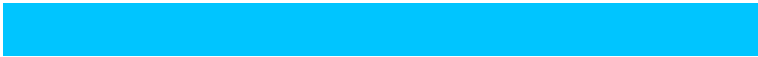
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 82.555, 67.239



71, 82.555, 117.239



71, 82.555, 247.239



71, 82.555, 297.239

Sweetspot

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



71, 82.553, 67.241



90, 26.335, 79.844



54, 83.989, 9.198



47, 18.091, 79.265



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 82.553, 67.241



71, 83.212, 67.050



95, 96.633, 107.019



52, 4.820, 82.552



55, 66.917, 67.711



18, 27.255, 70.138

Inverse Universe

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



49, 85.432, 291.754



49, 86.488, 292.008



32, 132.536, 306.398



50, 4.770, 265.140



37, 68.388, 291.269



10, 27.510, 285.402

Previews

White Background



This preview shows how the CIELCh color 71, 82.555, 67.239 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 71, 82.555, 67.239 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 71, 82.555, 67.239

Background



This preview shows how black text looks on a background with the CIELCh color 71, 82.555, 67.239.



This preview shows how white text looks on a background with the CIELCh color 71, 82.555, 67.239.

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

71, 82.441, 67.200

Protanopia

71, 71.117, 95.413

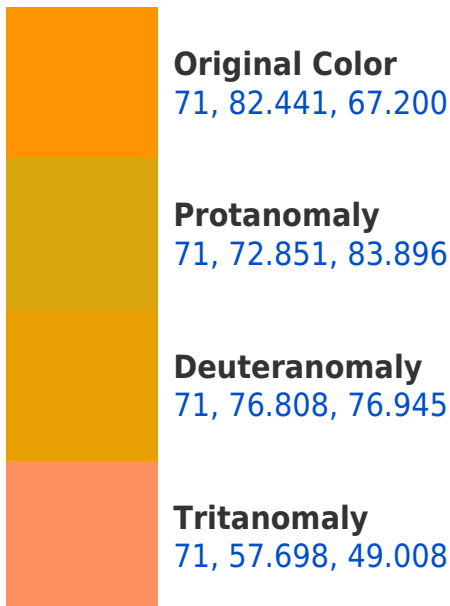
Deuteranopia

71, 74.923, 83.154



Tritanopia
71, 46.691, 18.501

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 82.555, 67.239 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, 148, 2)` looks like.

```
.text, #text, p{  
    color:rgb(253, 148, 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(253, 148, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 148, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 82.555, 67.239 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, 148, 2) }
```

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

```
.border{ border-color:rgb(253, 148, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 148, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 148, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 148, 2);  
box-shadow:4px 4px 4px 4px rgb(253, 148,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 82.555, 67.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 148, 2) }
```

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

```
.background{ background-color: rgb(253,  
148, 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](#).

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