

Converting Colors

CIELCh(76, 74.111, 72.168)

Have a look what the booklet for
CIELCh(76, 74.111, 72.168) contains.

CIELCh(76, 74.139, 72.284)	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(76, 74.139, 72.284)

Conversions

Conversions Part 1

Format	Color
Hex	FFA92E
RGB	255, 169, 46
RGB Percent	100%, 66%, 18%
CMY	0.0000, 0.3369, 0.8192
CMYK	0.00, 0.34, 0.82, 0.00
HSL	35°, 100%, 59%
HSV	35°, 82%, 100%
XYZ	55.9782, 49.8872, 9.2743
YIQ	180.6920, 90.7390, -20.0210

Conversions

Conversions Part 2

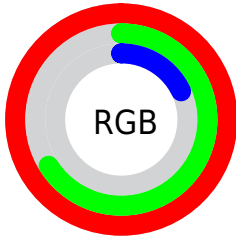
Format	Color
RYB	192, 255, 46
Decimal	16754990
CIELab	76.00, 22.56, 70.62
CIELCh	76, 74.139, 72.284
Yxy	49.8872, 0.4862, 0.4333
Android (android.graphics.Color)	4294945070 (0xFFFFA92E)
YUV	180.6920, -66.4032, 65.1681
Hunter-Lab	70.6309, 17.8654, 41.6564

Details

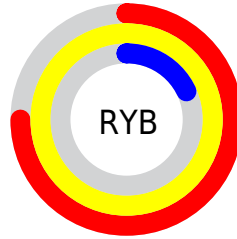
The CIELCh color **76, 74.139, 72.284** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **56, 70.620, 285.091**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 61.915, 92.886**, and **56, 67.102, 69.859** is the 20% darker color. If you saturate the color by 10%, you get **74, 80.118, 69.962**, and if you desaturate by 10%, it is **79, 65.992, 74.189**.

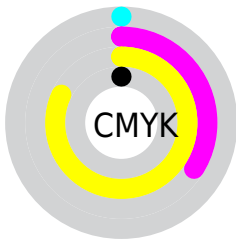
Distribution



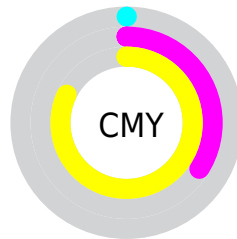
- Red (100%)
- Green (66%)
- Blue (18%)



- Red (75%)
- Yellow (100%)
- Blue (18%)



- Cyan (0%)
- Magenta (34%)
- Yellow (82%)
- Black (0%)



- Cyan (0%)
- Magenta (34%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 74.139, 72.284 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 76, 74.139, 72.284 by changing the saturation by 10% instead.

 76, 74.139, 72.284

 76, 74.139, 72.284

 100, 74.139,
72.284

 66, 74.139, 72.284

 96, 74.139, 72.284

 56, 74.139, 72.284

 46, 74.139, 72.284

 36, 74.139, 72.284

 26, 74.139, 72.284

 16, 74.139, 72.284

 6, 74.139, 72.284

 0, 74.139, 72.284

 76, 74.139, 72.284

 76, 74.139, 72.284

74, 80.118, 69.962

79, 65.992, 74.189

72, 83.099, 67.614

81, 56.799, 75.814

84, 47.222, 77.316

87, 37.636, 78.754

90, 28.225, 80.150

93, 19.071, 81.507

96, 10.199, 82.819

99, 1.607, 83.918

100, 0.012,
296.813

Harmonies

Complementary

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



76, 74.139, 72.284



56, 70.620, 285.091

Rectangle

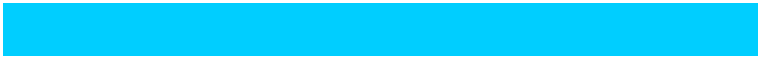
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 74.139, 72.284



76, 74.139, 122.284



76, 74.139, 252.284



76, 74.139, 302.284

Sweetspot

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



76, 74.110, 72.315



92, 21.862, 81.093



57, 79.341, 2.918



48, 15.001, 80.616



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 74.110, 72.315



72, 82.394, 68.194



96, 91.434, 107.801



52, 4.845, 83.124



55, 66.836, 68.269



18, 27.297, 70.747

Inverse Universe

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



56, 70.620, 285.091



49, 85.564, 291.675



38, 119.568, 305.112



50, 4.799, 265.711



37, 69.154, 291.716



10, 27.804, 285.902

Previews

White Background



This preview shows how the CIELCh color 76, 74.139, 72.284 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 76, 74.139, 72.284 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 76, 74.139, 72.284

Background



This preview shows how black text looks on a background with the CIELCh color 76, 74.139, 72.284.



This preview shows how white text looks on a background with the CIELCh color 76, 74.139, 72.284.

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

76, 74.139, 72.284

Protanopia

76, 67.648, 95.103

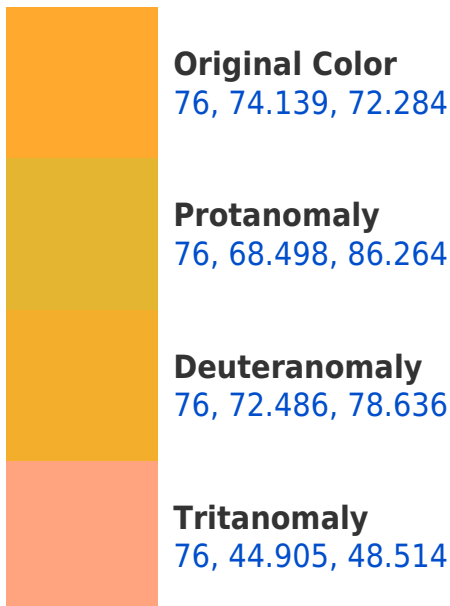
Deuteranopia

76, 71.702, 82.236



Tritanopia
76, 37.286, 14.043

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 74.139, 72.284 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(255, 169, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 46)  
}
```

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(255, 169, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 74.139, 72.284 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(255, 169, 46) }
```

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

```
.border{ border-color:rgb(255, 169, 46) }
```

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

Here you see how a box with a 4 pixel rgb(255, 169, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 74.139, 72.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 46) }
```

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

```
.background{ background-color: rgb(255,  
169, 46) }
```

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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