

Converting Colors

CIELCh(76, 79.478, 74.290)

Have a look what the booklet for
CIELCh(76, 79.478, 74.290) contains.

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Color

CIELCh(76, 79.671, 74.306)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA16
RGB	255, 170, 22
RGB Percent	100%, 67%, 9%
CMY	0.0014, 0.3345, 0.9119
CMYK	0.00, 0.33, 0.91, 0.00
HSL	38°, 100%, 54%
HSV	38°, 91%, 100%
XYZ	55.5747, 49.8872, 7.4823
YIQ	178.5430, 98.1680, -28.0080

Conversions

Conversions Part 2

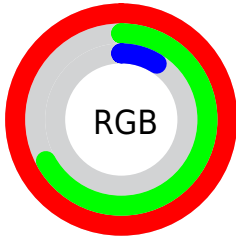
Format	Color
RYB	156, 255, 22
Decimal	16755222
CIELab	76.00, 21.55, 76.70
CIELCh	76, 79.671, 74.306
Yxy	49.8872, 0.4921, 0.4417
Android (android.graphics.Color)	4294945302 (0xFFFFAA16)
YUV	178.5430, -77.1757, 67.0528
Hunter-Lab	70.6309, 16.8456, 43.1607

Details

The CIELCh color **76, 79.671, 74.306** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **49, 85.572, 292.138**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 68.488, 93.804**, and **56, 66.771, 70.652** is the 20% darker color. If you saturate the color by 10%, you get **74, 82.469, 71.904**, and if you desaturate by 10%, it is **78, 74.014, 76.535**.

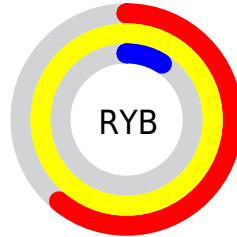
Distribution



Red (100%)

Green (67%)

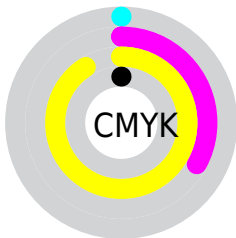
Blue (9%)



Red (61%)

Yellow (100%)

Blue (9%)

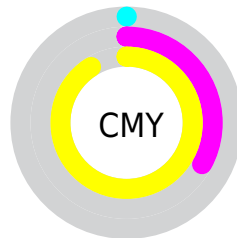


Cyan (0%)

Magenta (33%)

Yellow (91%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 79.671, 74.306 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, 79.671, 74.306 by changing the saturation by 10% instead.

 76, 79.671, 74.306

 76, 79.671, 74.306

 100, 79.671,
74.306

 66, 79.671, 74.306

 96, 79.671, 74.306

 56, 79.671, 74.306

 46, 79.671, 74.306

 36, 79.671, 74.306

 26, 79.671, 74.306

 16, 79.671, 74.306

 6, 79.671, 74.306

 0, 79.671, 74.306

 76, 79.671, 74.306

 76, 79.671, 74.306

74, 82.469, 71.904

78, 74.014, 76.535

81, 66.183, 78.364

83, 57.164, 79.980

86, 47.641, 81.486

88, 38.004, 82.929

91, 28.453, 84.326

94, 19.086, 85.682

97, 9.940, 86.986

100, 1.025, 87.984

Harmonies

Complementary

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



76, 79.671, 74.306



49, 85.572, 292.138

Rectangle

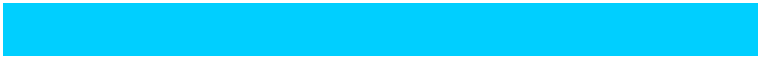
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 79.671, 74.306



76, 79.671, 124.306



76, 79.671, 254.306



76, 79.671, 304.306

Sweetspot

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



76, 79.669, 74.309



92, 24.542, 84.898



55, 82.971, 11.392



48, 16.607, 84.431



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, 79.669, 74.309



74, 82.558, 71.901



95, 96.010, 110.644



52, 5.050, 87.197



57, 66.470, 72.499



18, 27.702, 75.224

Inverse Universe

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



49, 85.572, 292.138



46, 94.712, 295.449



35, 127.916, 306.430



50, 5.030, 269.749



34, 74.892, 294.776



9, 30.043, 289.354

Previews

White Background



This preview shows how the CIELCh color 76, 79.671, 74.306 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, 79.671, 74.306 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, 79.671, 74.306

Background



This preview shows how black text looks on a background with the CIELCh color 76, 79.671, 74.306.



This preview shows how white text looks on a background with the CIELCh color 76, 79.671, 74.306.

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, 79.844, 74.351

Protanopia

76, 74.023, 94.872

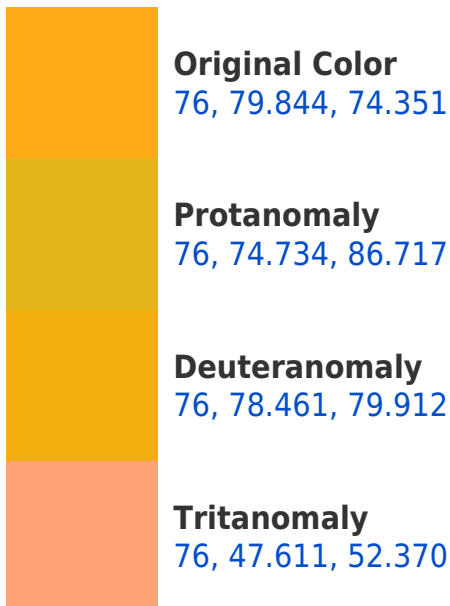
Deuteranopia

76, 78.196, 82.995



Tritanopia
76, 37.286, 14.043

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 79.671, 74.306 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, 170, 22)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 22)  
}
```

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, 170, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 79.671, 74.306 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, 170, 22) }
```

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

```
.border{ border-color:rgb(255, 170, 22) }
```

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

Here you see how a box with a 4 pixel rgb(255, 170, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 79.671, 74.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 22) }
```

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

```
.background{ background-color: rgb(255,  
170, 22) }
```

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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