

Converting Colors

CIELCh(76, 72.324, 77.139)

Have a look what the booklet for
CIELCh(76, 72.324, 77.139) contains.

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Color

CIELCh(76, 72.481, 77.136)

Conversions

Conversions Part 1

Format	Color
Hex	F6AE2D
RGB	246, 174, 45
RGB Percent	96%, 68%, 18%
CMY	0.0366, 0.3187, 0.8248
CMYK	0.00, 0.29, 0.82, 0.04
HSL	39°, 92%, 57%
HSV	39°, 82%, 96%
XYZ	53.4437, 49.8872, 9.2621
YIQ	180.8220, 84.3210, -24.8550

Conversions

Conversions Part 2

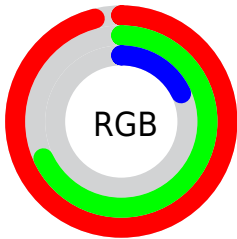
Format	Color
R _Y B	157, 246, 45
Decimal	16166445
CIE Lab	76.00, 16.14, 70.66
CIE LCh	76, 72.481, 77.136
Yxy	49.8872, 0.4747, 0.4431
Android (android.graphics.Color)	4294356525 (0xFFF6AE2D)
YUV	180.8220, -66.9602, 57.1611
Hunter-Lab	70.6309, 11.4599, 41.6667

Details

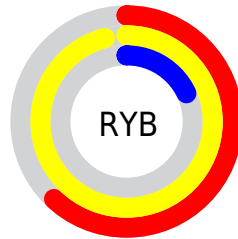
The CIELCh color **76, 72.481, 77.136** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **52, 74.818, 289.017**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 63.917, 95.112**, and **56, 64.581, 75.311** is the 20% darker color. If you saturate the color by 10%, you get **74, 77.764, 74.914**, and if you desaturate by 10%, it is **78, 65.014, 78.968**.

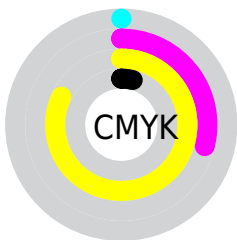
Distribution



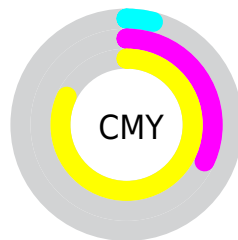
- Red (96%)
- Green (68%)
- Blue (18%)



- Red (62%)
- Yellow (96%)
- Blue (18%)



- Cyan (0%)
- Magenta (29%)
- Yellow (82%)
- Black (4%)



- Cyan (4%)
- Magenta (32%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 72.481, 77.136 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, 72.481, 77.136 by changing the saturation by 10% instead.

76, 72.481, 77.136

76, 72.481, 77.136

100, 72.481,
77.136

66, 72.481, 77.136

96, 72.481, 77.136

56, 72.481, 77.136

46, 72.481, 77.136

36, 72.481, 77.136

26, 72.481, 77.136

16, 72.481, 77.136

6, 72.481, 77.136

0, 72.481, 77.136

76, 72.481, 77.136

76, 72.481, 77.136

74, 77.764, 74.914

78, 65.014, 78.968

72, 80.222, 72.723

81, 56.325, 80.583

83, 47.094, 82.088

86, 37.716, 83.529

88, 28.399, 84.924

91, 19.243, 86.277

93, 10.290, 87.580

96, 1.553, 88.687

99, 2.701, 223.122

Harmonies

Complementary

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



76, 72.481, 77.136



52, 74.818, 289.017

Rectangle

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



76, 72.481, 77.136



76, 72.481, 127.136



76, 72.481, 257.136



76, 72.481, 307.136

Sweetspot

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



76, 72.480, 77.139



93, 22.818, 85.844



55, 76.731, 7.060



49, 15.633, 85.368



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, 72.480, 77.139



75, 81.960, 73.199



92, 89.230, 110.452



50, 4.920, 87.873



56, 65.126, 73.304



17, 25.463, 76.022

Inverse Universe

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



52, 74.818, 289.017



46, 93.896, 295.221



38, 115.403, 305.641



48, 4.905, 270.406



33, 74.227, 295.187



8, 28.345, 289.175

Previews

White Background



This preview shows how the CIELCh color 76, 72.481, 77.136 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, 72.481, 77.136 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, 72.481, 77.136

Background



This preview shows how black text looks on a background with the CIELCh color 76, 72.481, 77.136.



This preview shows how white text looks on a background with the CIELCh color 76, 72.481, 77.136.

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, 72.481, 77.136

Protanopia

76, 68.627, 95.127

Deuteranopia

76, 71.412, 82.181



Tritanopia
76, 36.074, 12.756

Trichromacy



Original Color
76, 72.481, 77.136

Protanomaly
76, 69.101, 88.299

Deuteranomaly
76, 71.660, 79.948

Tritanomaly
76, 42.420, 50.737

Monochromacy



Original Color
76, 72.481, 77.136

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 27.792, 83.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 72.481, 77.136 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(246, 174, 45)` looks like.

```
.text, #text, p{  
    color:rgb(246, 174, 45)  
}
```

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(246, 174, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 174, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 72.481, 77.136 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(246, 174, 45) }
```

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

```
.border{ border-color:rgb(246, 174, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 174, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 174, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 174, 45);  
box-shadow:4px 4px 4px 4px rgb(246, 174,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 72.481, 77.136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 174, 45) }
```

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

```
.background{ background-color: rgb(246,  
174, 45) }
```

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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