

Converting Colors

CIELCh(76, 62.857, 66.181)

Have a look what the booklet for
CIELCh(76, 62.857, 66.181) contains.

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Color

CIELCh(76, 62.482, 66.501)

Conversions

Conversions Part 1

Format	Color
Hex	FFA850
RGB	255, 168, 80
RGB Percent	100%, 66%, 31%
CMY	0.0000, 0.3423, 0.6875
CMYK	0.00, 0.34, 0.69, 0.00
HSL	30°, 100%, 66%
HSV	30°, 69%, 100%
XYZ	56.9264, 49.8872, 14.1567
YIQ	183.9810, 80.1000, -8.9240

Conversions

Conversions Part 2

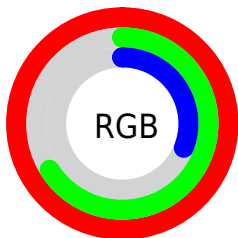
Format	Color
R _Y B	253, 255, 80
Decimal	16754768
CIE Lab	76.00, 24.91, 57.30
CIE LCh	76, 62.482, 66.501
Yxy	49.8872, 0.4706, 0.4124
Android (android.graphics.Color)	4294944848 (0xFFFFA850)
YUV	183.9810, -51.2626, 62.2837
Hunter-Lab	70.6309, 20.2617, 37.5580

Details

The CIELCh color **76, 62.482, 66.501** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **67, 51.320, 271.589**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 47.929, 90.294**, and **56, 61.985, 67.159** is the 20% darker color. If you saturate the color by 10%, you get **73, 71.577, 65.141**, and if you desaturate by 10%, it is **79, 52.401, 68.137**.

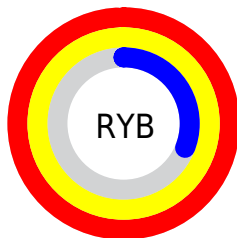
Distribution



Red (100%)

Green (66%)

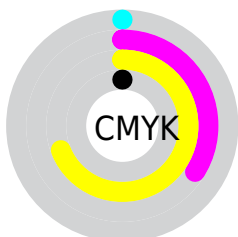
Blue (31%)



Red (99%)

Yellow (100%)

Blue (31%)

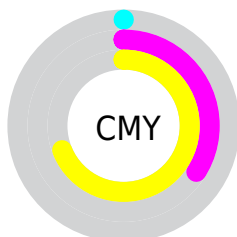


Cyan (0%)

Magenta (34%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 62.482, 66.501 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, 62.482, 66.501 by changing the saturation by 10% instead.

 76, 62.482, 66.501

 76, 62.482, 66.501

 100, 62.482,
66.501

 66, 62.482, 66.501

 96, 62.482, 66.501

 56, 62.482, 66.501

 46, 62.482, 66.501

 36, 62.482, 66.501

 26, 62.482, 66.501

 16, 62.482, 66.501

 6, 62.482, 66.501

 0, 62.482, 66.501

 76, 62.482, 66.501

 76, 62.482, 66.501

73, 71.577, 65.141

79, 52.401, 68.137

70, 79.497, 63.102

82, 42.612, 69.459

67, 84.910, 60.312

86, 33.109, 70.752

67, 85.519, 59.959

89, 23.988, 72.030

93, 15.277, 73.291

97, 6.963, 74.510

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, 62.482, 66.501



67, 51.320, 271.589

Rectangle

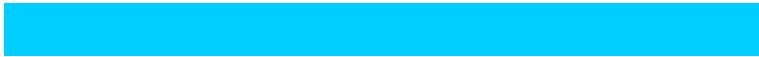
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 62.482, 66.501



76, 62.482, 116.501



76, 62.482, 246.501



76, 62.482, 296.501

Sweetspot

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



76, 62.228, 66.737



92, 17.200, 73.010



61, 73.358, 352.597



48, 11.718, 72.662



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, 62.228, 66.737



72, 75.188, 64.349



97, 81.570, 103.961



51, 4.532, 74.422



51, 68.632, 60.669



16, 27.009, 62.040

Inverse Universe

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



67, 51.320, 271.589



61, 61.454, 277.498



45, 101.762, 301.722



51, 4.432, 256.959



41, 58.559, 284.396



12, 23.824, 277.858

Previews

White Background



This preview shows how the CIELCh color 76, 62.482, 66.501 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, 62.482, 66.501 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, 62.482, 66.501

Background



This preview shows how black text looks on a background with the CIELCh color 76, 62.482, 66.501.



This preview shows how white text looks on a background with the CIELCh color 76, 62.482, 66.501.

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, 62.111, 66.824

Protanopia

76, 53.394, 95.740

Deuteranopia

76, 58.479, 80.269



Tritanopia
76, 37.295, 14.855

Trichromacy



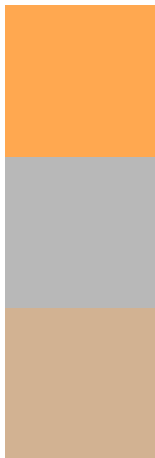
Original Color
76, 62.111, 66.824

Protanomaly
76, 54.504, 84.363

Deuteranomaly
76, 59.360, 74.957

Tritanomaly
76, 41.521, 40.910

Monochromacy



Original Color
76, 62.111, 66.824

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 21.771, 71.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 62.482, 66.501 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, 168, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 80)  
}
```

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, 168, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 62.482, 66.501 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, 168, 80) }
```

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

```
.border{ border-color:rgb(255, 168, 80) }
```

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

Here you see how a box with a 4 pixel rgb(255, 168, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 62.482, 66.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 80) }
```

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

```
.background{ background-color: rgb(255,  
168, 80) }
```

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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