

Converting Colors

CIELCh(83, 85.005, 56.669)

Have a look what the booklet for
CIELCh(83, 85.005, 56.669) contains.

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Color

CIELCh(76, 65.944, 68.696)

Conversions

Conversions Part 1

Format	Color
Hex	FFA846
RGB	255, 168, 70
RGB Percent	100%, 66%, 27%
CMY	0.0000, 0.3400, 0.7243
CMYK	0.00, 0.34, 0.72, 0.00
HSL	32°, 100%, 64%
HSV	32°, 72%, 100%
XYZ	56.5403, 49.8872, 12.4922
YIQ	182.8410, 83.3100, -12.0340

Conversions

Conversions Part 2

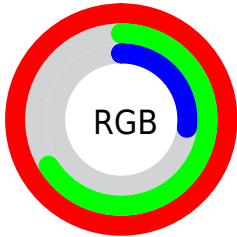
Format	Color
RYB	234, 255, 70
Decimal	16754758
CIELab	76.00, 23.96, 61.44
CIELCh	76, 65.944, 68.696
Yxy	49.8872, 0.4754, 0.4195
Android (android.graphics.Color)	4294944838 (0xFFFFA846)
YUV	182.8410, -55.6306, 63.2834
Hunter-Lab	70.6309, 19.2859, 38.9552

Details

The CIELCh color **76, 65.944, 68.696** 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 **64, 56.479, 276.006**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 52.608, 91.212**, and **56, 65.836, 68.856** is the 20% darker color. If you saturate the color by 10%, you get **73, 74.482, 66.985**, and if you desaturate by 10%, it is **79, 56.314, 70.338**.

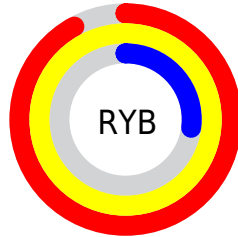
Distribution



Red (100%)

Green (66%)

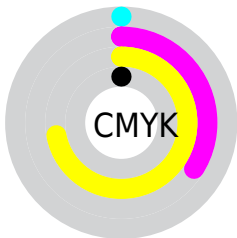
Blue (27%)



Red (92%)

Yellow (100%)

Blue (27%)

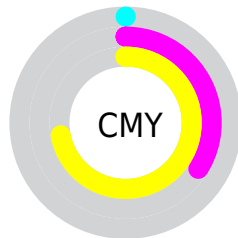


Cyan (0%)

Magenta (34%)

Yellow (72%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 65.944, 68.696 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, 65.944, 68.696 by changing the saturation by 10% instead.

 76, 65.944, 68.696

 76, 65.944, 68.696

 100, 65.944,
68.696

 66, 65.944, 68.696

 96, 65.944, 68.696

 56, 65.944, 68.696

 46, 65.944, 68.696

 36, 65.944, 68.696

 26, 65.944, 68.696

 16, 65.944, 68.696

 6, 65.944, 68.696

 0, 65.944, 68.696

 76, 65.944, 68.696

 76, 65.944, 68.696

73, 74.482, 66.985

79, 56.314, 70.338

70, 81.147, 64.620

82, 46.581, 71.757

69, 84.541, 62.377

85, 36.987, 73.124

89, 27.690, 74.461

92, 18.749, 75.775

96, 10.172, 77.053

99, 1.943, 78.148

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, 65.944, 68.696



64, 56.479, 276.006

Rectangle

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



76, 65.944, 68.696



76, 65.944, 118.696



76, 65.944, 248.696



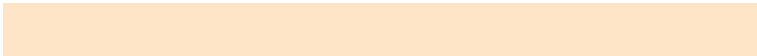
76, 65.944, 298.696

Sweetspot

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



76, 65.841, 68.797



92, 18.371, 75.831



60, 75.410, 354.681



48, 12.415, 75.478



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, 65.841, 68.797



72, 77.847, 65.996



97, 84.649, 104.602



51, 4.623, 77.414



52, 67.895, 63.077



17, 27.033, 64.902

Inverse Universe

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



64, 56.479, 276.006



58, 67.807, 282.118



43, 107.263, 302.733



50, 4.541, 259.989



40, 61.959, 287.045



11, 25.081, 280.739

Previews

White Background



This preview shows how the CIELCh color 76, 65.944, 68.696 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, 65.944, 68.696 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, 65.944, 68.696

Background



This preview shows how black text looks on a background with the CIELCh color 76, 65.944, 68.696.



This preview shows how white text looks on a background with the CIELCh color 76, 65.944, 68.696.

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, 65.944, 68.696

Protanopia

76, 57.885, 95.546

Deuteranopia

76, 62.733, 81.026



Tritanopia
76, 37.286, 14.043

Trichromacy



Original Color
76, 65.944, 68.696

Protanomaly
76, 58.970, 84.968

Deuteranomaly
76, 63.593, 76.062

Tritanomaly
76, 42.157, 43.518

Monochromacy



Original Color
76, 65.944, 68.696

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 23.340, 75.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 65.944, 68.696 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 65.944, 68.696 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, 70) }
```

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

```
.border{ border-color:rgb(255, 168, 70) }
```

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, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 65.944, 68.696 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, 70) }
```

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

```
.background{ background-color: rgb(255,  
168, 70) }
```

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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