

Converting Colors

CIELCh(75, 68.665, 76.760)

Have a look what the booklet for
CIELCh(75, 68.665, 76.760) contains.

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Color

CIELCh(75, 68.505, 76.614)

Conversions

Conversions Part 1

Format	Color
Hex	F1AB35
RGB	241, 171, 53
RGB Percent	95%, 67%, 21%
CMY	0.0534, 0.3281, 0.7908
CMYK	0.00, 0.29, 0.78, 0.05
HSL	38°, 87%, 58%
HSV	38°, 78%, 95%
XYZ	51.6811, 48.2781, 10.0058
YIQ	178.4780, 79.5980, -21.8580

Conversions

Conversions Part 2

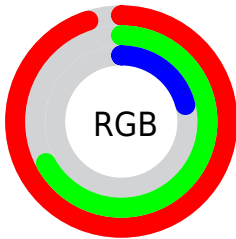
Format	Color
RYB	165, 241, 53
Decimal	15838005
CIELab	75.00, 15.86, 66.64
CIELCh	75, 68.505, 76.614
Yxy	48.2781, 0.4700, 0.4390
Android (android.graphics.Color)	4294028085 (0xFFFF1AB35)
YUV	178.4780, -61.8607, 54.8318
Hunter-Lab	69.4824, 11.1740, 40.0997

Details

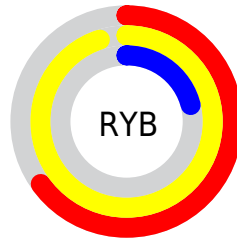
The CIELCh color **75, 68.505, 76.614** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **53, 68.285, 286.456**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 60.348, 93.590**, and **55, 63.532, 75.179** is the 20% darker color. If you saturate the color by 10%, you get **73, 74.836, 74.550**, and if you desaturate by 10%, it is **77, 60.470, 78.355**.

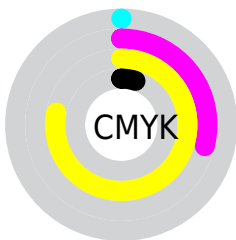
Distribution



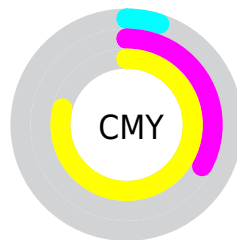
- Red (95%)
- Green (67%)
- Blue (21%)



- Red (65%)
- Yellow (95%)
- Blue (21%)



- Cyan (0%)
- Magenta (29%)
- Yellow (78%)
- Black (5%)



- Cyan (5%)
- Magenta (33%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 68.505, 76.614 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 75, 68.505, 76.614 by changing the saturation by 10% instead.

75, 68.505, 76.614

75, 68.505, 76.614

100, 68.505,
76.614

65, 68.505, 76.614

95, 68.505, 76.614

55, 68.505, 76.614

45, 68.505, 76.614

35, 68.505, 76.614

25, 68.505, 76.614

15, 68.505, 76.614

5, 68.505, 76.614

0, 68.505, 76.614

75, 68.505, 76.614

75, 68.505, 76.614

73, 74.836, 74.550

77, 60.470, 78.355

71, 78.593, 71.940

80, 51.590, 79.923

70, 79.232, 71.365

82, 42.405, 81.400

85, 33.207, 82.824

88, 24.145, 84.204

90, 15.284, 85.542

93, 6.648, 86.819

96, 1.763, 268.301

98, 3.981, 219.883

Harmonies

Complementary

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



75, 68.505, 76.614



53, 68.285, 286.456

Rectangle

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



75, 68.505, 76.614



75, 68.505, 126.614



75, 68.505, 256.614



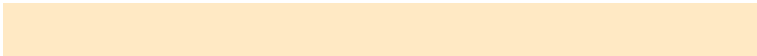
75, 68.505, 306.614

Sweetspot

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



75, 68.504, 76.617



93, 20.683, 84.856



55, 73.653, 4.125



49, 14.384, 84.368



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 68.504, 76.617



75, 80.463, 73.220



91, 85.438, 109.608



49, 4.769, 86.625



55, 64.503, 71.968



16, 24.098, 74.560

Inverse Universe

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



53, 68.285, 286.456



49, 86.547, 292.400



39, 109.217, 304.933



47, 4.747, 269.168



33, 71.609, 294.240



7, 26.612, 287.637

Previews

White Background



This preview shows how the CIELCh color 75, 68.505, 76.614 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 75, 68.505, 76.614 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 75, 68.505, 76.614

Background



This preview shows how black text looks on a background with the CIELCh color 75, 68.505, 76.614.



This preview shows how white text looks on a background with the CIELCh color 75, 68.505, 76.614.

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

75, 68.505, 76.614

Protanopia

75, 64.352, 95.286

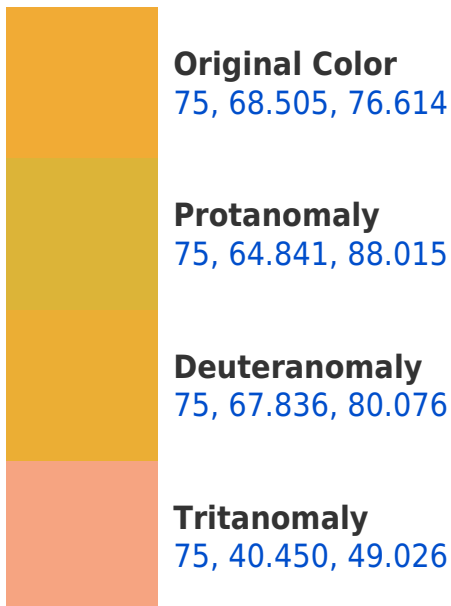
Deuteranopia

75, 67.513, 82.037



Tritanopia
75, 35.369, 12.487

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 68.505, 76.614 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(241, 171, 53)` looks like.

```
.text, #text, p{  
    color:rgb(241, 171, 53)  
}
```

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(241, 171, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 171, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 68.505, 76.614 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(241, 171, 53) }
```

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

```
.border{ border-color:rgb(241, 171, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 171, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 171, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 171, 53);  
box-shadow:4px 4px 4px 4px rgb(241, 171,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 68.505, 76.614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 171, 53) }
```

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

```
.background{ background-color: rgb(241,  
171, 53) }
```

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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