

Converting Colors

CIELCh(77, 72.840, 74.131)

Have a look what the booklet for
CIELCh(77, 72.840, 74.131) contains.

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Color

CIELCh(77, 72.882, 74.358)

Conversions

Conversions Part 1

Format	Color
Hex	FEAE32
RGB	254, 174, 50
RGB Percent	100%, 68%, 20%
CMY	0.0042, 0.3179, 0.8042
CMYK	0.00, 0.31, 0.80, 0.00
HSL	36°, 99%, 60%
HSV	36°, 80%, 100%
XYZ	56.5414, 51.5317, 9.9756
YIQ	183.7840, 87.4840, -21.6040

Conversions

Conversions Part 2

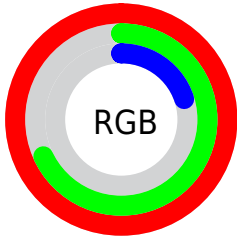
Format	Color
RYB	182, 254, 50
Decimal	16690738
CIELab	77.00, 19.65, 70.18
CIELCh	77, 72.882, 74.358
Yxy	51.5317, 0.4790, 0.4365
Android (android.graphics.Color)	4294880818 (0xFFFEAE32)
YUV	183.7840, -65.9555, 61.5794
Hunter-Lab	71.7856, 14.9693, 42.0107

Details

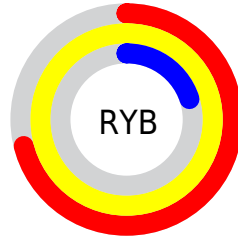
The CIELCh color **77, 72.882, 74.358** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **56, 71.212, 285.983**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 62.189, 95.004**, and **57, 66.661, 72.607** is the 20% darker color. If you saturate the color by 10%, you get **75, 79.048, 72.125**, and if you desaturate by 10%, it is **80, 64.722, 76.183**.

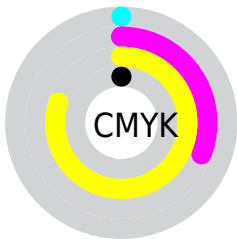
Distribution



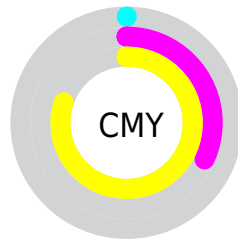
- Red (100%)
- Green (68%)
- Blue (20%)



- Red (71%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (31%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (32%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 72.882, 74.358 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 77, 72.882, 74.358 by changing the saturation by 10% instead.

77, 72.882, 74.358

77, 72.882, 74.358

100, 72.882,
74.358

67, 72.882, 74.358

97, 72.882, 74.358

57, 72.882, 74.358

47, 72.882, 74.358

37, 72.882, 74.358

27, 72.882, 74.358

17, 72.882, 74.358

7, 72.882, 74.358

0, 72.882, 74.358

77, 72.882, 74.358

77, 72.882, 74.358

75, 79.048, 72.125

80, 64.722, 76.183

72, 82.538, 69.416

82, 55.552, 77.791

85, 46.012, 79.290

88, 36.450, 80.728

90, 27.041, 82.122

93, 17.863, 83.477

96, 8.942, 84.779

100, 0.277, 84.871

100, 0.375,
201.149

Harmonies

Complementary

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



77, 72.882, 74.358



56, 71.212, 285.983

Rectangle

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



77, 72.882, 74.358



77, 72.882, 124.358



77, 72.882, 254.358



77, 72.882, 304.358

Sweetspot

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



77, 72.881, 74.361



93, 21.269, 82.985



57, 78.139, 3.717



48, 14.688, 82.501



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 72.881, 74.361



74, 81.538, 70.565



95, 90.339, 108.706



52, 4.928, 84.884



56, 66.630, 70.040



18, 27.447, 72.650

Inverse Universe

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



56, 71.212, 285.983



49, 86.594, 292.246



39, 117.065, 305.082



50, 4.893, 267.460



36, 71.570, 293.065



10, 28.739, 287.415

Previews

White Background



This preview shows how the CIELCh color 77, 72.882, 74.358 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 77, 72.882, 74.358 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 77, 72.882, 74.358

Background



This preview shows how black text looks on a background with the CIELCh color 77, 72.882, 74.358.



This preview shows how white text looks on a background with the CIELCh color 77, 72.882, 74.358.

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

77, 72.882, 74.358

Protanopia

77, 67.739, 95.211

Deuteranopia

77, 71.392, 81.971



Tritanopia
77, 35.561, 13.385

Trichromacy



Original Color
77, 72.882, 74.358

Protanomaly
77, 68.279, 87.169

Deuteranomaly
77, 71.730, 78.986

Tritanomaly
77, 43.108, 49.460

Monochromacy



Original Color
77, 72.882, 74.358

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 27.129, 81.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 72.882, 74.358 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(254, 174, 50)` looks like.

```
.text, #text, p{  
    color:rgb(254, 174, 50)  
}
```

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(254, 174, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 174, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 72.882, 74.358 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(254, 174, 50) }
```

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

```
.border{ border-color:rgb(254, 174, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 174, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 174, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 174, 50);  
box-shadow:4px 4px 4px 4px rgb(254, 174,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 72.882, 74.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 174, 50) }
```

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

```
.background{ background-color: rgb(254,  
174, 50) }
```

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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