

Converting Colors

CIELCh(75, 72.525, 70.334)

Have a look what the booklet for
CIELCh(75, 72.525, 70.334) contains.

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Color

CIELCh(75, 72.548, 70.386)

Conversions

Conversions Part 1

Format	Color
Hex	FEA532
RGB	254, 165, 50
RGB Percent	100%, 65%, 20%
CMY	0.0034, 0.3525, 0.8034
CMYK	0.00, 0.35, 0.80, 0.00
HSL	34°, 99%, 60%
HSV	34°, 80%, 100%
XYZ	54.9754, 48.2781, 9.4527
YIQ	178.5010, 89.9590, -16.8970

Conversions

Conversions Part 2

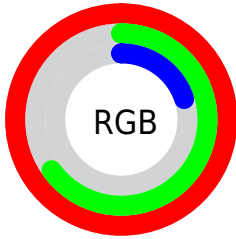
Format	Color
R _Y B	208, 254, 50
Decimal	16688434
CIE Lab	75.00, 24.35, 68.34
CIE LCh	75, 72.548, 70.386
Yxy	48.2781, 0.4878, 0.4284
Android (android.graphics.Color)	4294878514 (0xFFFEA532)
YUV	178.5010, -63.3510, 66.2126
Hunter-Lab	69.4824, 19.6373, 40.5717

Details

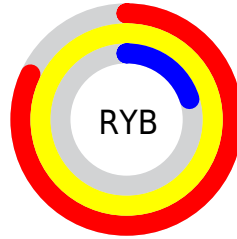
The CIELCh color **75, 72.548, 70.386** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **58, 66.036, 282.281**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 59.407, 90.858**, and **55, 67.035, 68.238** is the 20% darker color. If you saturate the color by 10%, you get **72, 79.285, 68.133**, and if you desaturate by 10%, it is **78, 63.980, 72.187**.

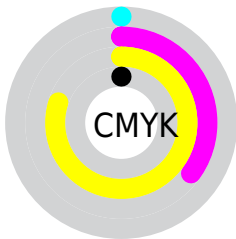
Distribution



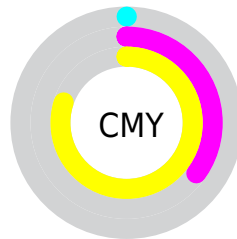
- Red (100%)
- Green (65%)
- Blue (20%)



- Red (82%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (35%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (35%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 72.548, 70.386 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, 72.548, 70.386 by changing the saturation by 10% instead.

75, 72.548, 70.386

75, 72.548, 70.386

100, 72.548,
70.386

65, 72.548, 70.386

95, 72.548, 70.386

55, 72.548, 70.386

45, 72.548, 70.386

35, 72.548, 70.386

25, 72.548, 70.386

15, 72.548, 70.386

5, 72.548, 70.386

0, 72.548, 70.386

75, 72.548, 70.386

75, 72.548, 70.386

72, 79.285, 68.133

78, 63.980, 72.187

70, 83.406, 65.318

81, 54.583, 73.758

84, 44.967, 75.221

87, 35.449, 76.629

90, 26.178, 78.001

93, 17.212, 79.340

96, 8.561, 80.631

100, 0.216, 80.188

100, 0.301,
201.586

Harmonies

Complementary

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



75, 72.548, 70.386



58, 66.036, 282.281

Rectangle

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



75, 72.548, 70.386



75, 72.548, 120.386



75, 72.548, 250.386



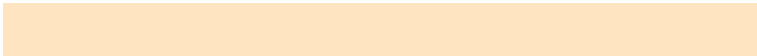
75, 72.548, 300.386

Sweetspot

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



75, 72.547, 70.389



92, 20.572, 78.845



57, 78.838, 359.568



48, 14.226, 78.367



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, 72.547, 70.389



71, 82.104, 66.506



96, 90.019, 106.042



51, 4.743, 80.727



54, 67.216, 65.989



17, 27.147, 68.231

Inverse Universe

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



58, 66.036, 282.281



52, 79.900, 288.935



39, 117.549, 304.538



50, 4.682, 263.318



38, 66.015, 289.812



10, 26.606, 283.784

Previews

White Background



This preview shows how the CIELCh color 75, 72.548, 70.386 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, 72.548, 70.386 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, 72.548, 70.386

Background



This preview shows how black text looks on a background with the CIELCh color 75, 72.548, 70.386.



This preview shows how white text looks on a background with the CIELCh color 75, 72.548, 70.386.

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, 72.548, 70.386

Protanopia

75, 65.075, 95.307

Deuteranopia

75, 69.656, 82.099



Tritanopia
75, 39.045, 15.454

Trichromacy



Original Color
75, 72.548, 70.386

Protanomaly
75, 66.094, 85.749

Deuteranomaly
75, 70.235, 77.532

Tritanomaly
75, 45.791, 46.120

Monochromacy



Original Color
75, 72.548, 70.386

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 26.504, 77.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 72.548, 70.386 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, 165, 50)` looks like.

```
.text, #text, p{  
    color:rgb(254, 165, 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, 165, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 165, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 72.548, 70.386 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, 165, 50) }
```

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

```
.border{ border-color:rgb(254, 165, 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, 165, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 165, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 165, 50);  
box-shadow:4px 4px 4px 4px rgb(254, 165,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 72.548, 70.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 165, 50) }
```

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

```
.background{ background-color: rgb(254,  
165, 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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