

Converting Colors

CIELCh(77, 71.930, 74.411)

Have a look what the booklet for
CIELCh(77, 71.930, 74.411) contains.

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Color

CIELCh(77, 71.997, 74.453)

Conversions

Conversions Part 1

Format	Color
Hex	FDAE34
RGB	253, 174, 52
RGB Percent	99%, 68%, 20%
CMY	0.0069, 0.3168, 0.7952
CMYK	0.00, 0.31, 0.79, 0.01
HSL	36°, 98%, 60%
HSV	36°, 79%, 99%
XYZ	56.3989, 51.5317, 10.2503
YIQ	183.7130, 86.2460, -21.1940

Conversions

Conversions Part 2

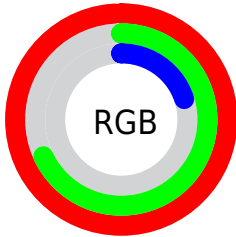
Format	Color
RYB	182, 253, 52
Decimal	16625204
CIELab	77.00, 19.30, 69.36
CIElCh	77, 71.997, 74.453
Yxy	51.5317, 0.4772, 0.4360
Android (android.graphics.Color)	4294815284 (0xFFFD4E34)
YUV	183.7130, -64.9345, 60.7647
Hunter-Lab	71.7856, 14.6150, 41.7839

Details

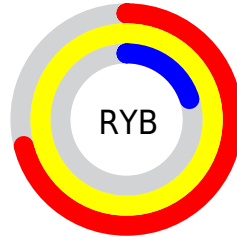
The CIELCh color **77, 71.997, 74.453** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **56, 70.022, 285.519**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 61.314, 94.945**, and **57, 66.393, 72.932** is the 20% darker color. If you saturate the color by 10%, you get **75, 78.405, 72.271**, and if you desaturate by 10%, it is **80, 63.710, 76.250**.

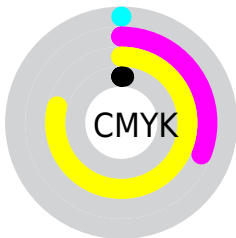
Distribution



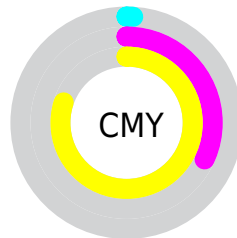
- Red (99%)
- Green (68%)
- Blue (20%)



- Red (71%)
- Yellow (99%)
- Blue (20%)



- Cyan (0%)
- Magenta (31%)
- Yellow (79%)
- Black (1%)



- Cyan (1%)
- Magenta (32%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 71.997, 74.453 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, 71.997, 74.453 by changing the saturation by 10% instead.

77, 71.997, 74.453

77, 71.997, 74.453

100, 71.997,
74.453

67, 71.997, 74.453

97, 71.997, 74.453

57, 71.997, 74.453

47, 71.997, 74.453

37, 71.997, 74.453

27, 71.997, 74.453

17, 71.997, 74.453

7, 71.997, 74.453

0, 71.997, 74.453

77, 71.997, 74.453

77, 71.997, 74.453

75, 78.405, 72.271

80, 63.710, 76.250

72, 82.175, 69.496

82, 54.497, 77.843

72, 82.384, 69.319

85, 44.962, 79.334

88, 35.432, 80.767

91, 26.068, 82.158

94, 16.940, 83.508

97, 8.070, 84.803

100, 0.543,
266.746

100, 0.610,
200.453

Harmonies

Complementary

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



77, 71.997, 74.453



56, 70.022, 285.519

Rectangle

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



77, 71.997, 74.453



77, 71.997, 124.453



77, 71.997, 254.453



77, 71.997, 304.453

Sweetspot

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



77, 71.996, 74.456



93, 21.251, 82.887



57, 77.468, 3.356



48, 14.676, 82.404



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, 71.996, 74.456



74, 81.226, 70.758



95, 89.550, 108.718



52, 4.924, 84.786



56, 66.639, 69.940



18, 27.438, 72.543

Inverse Universe

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



56, 70.022, 285.519



50, 85.454, 291.772



40, 115.602, 304.950



50, 4.888, 267.363



36, 71.433, 292.991



10, 28.686, 287.332

Previews

White Background



This preview shows how the CIELCh color 77, 71.997, 74.453 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, 71.997, 74.453 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, 71.997, 74.453

Background



This preview shows how black text looks on a background with the CIELCh color 77, 71.997, 74.453.



This preview shows how white text looks on a background with the CIELCh color 77, 71.997, 74.453.

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, 71.997, 74.453

Protanopia

77, 66.694, 95.182

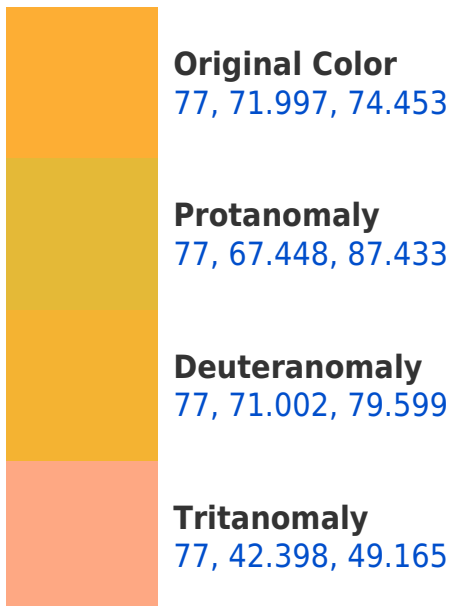
Deuteranopia

77, 70.579, 82.175

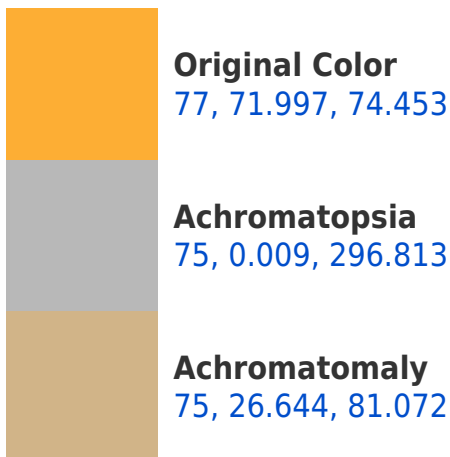


Tritanopia
77, 35.561, 13.385

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 71.997, 74.453 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(253, 174, 52)` looks like.

```
.text, #text, p{  
    color:rgb(253, 174, 52)  
}
```

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(253, 174, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 174, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 71.997, 74.453 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(253, 174, 52) }
```

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

```
.border{ border-color:rgb(253, 174, 52) }
```

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

Here you see how a box with a 4 pixel rgb(253, 174, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 174, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 174, 52);  
box-shadow:4px 4px 4px 4px rgb(253, 174,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 71.997, 74.453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 174, 52) }
```

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

```
.background{ background-color: rgb(253,  
174, 52) }
```

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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