

# Converting Colors

CIELCh(84, 56.911, 82.404)

Have a look what the booklet for  
CIELCh(84, 56.911, 82.404) contains.

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# **Color**

**CIELCh(84, 56.944, 82.355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FECA65
RGB	254, 202, 101
RGB Percent	100%, 79%, 40%
CMY	0.0051, 0.2089, 0.6049
CMYK	0.00, 0.20, 0.60, 0.01
HSL	40°, 98%, 70%
HSV	40°, 60%, 99%
XYZ	64.1600, 64.0658, 21.2312
YIQ	206.0340, 63.4130, -20.3870

# Conversions

## Conversions Part 2

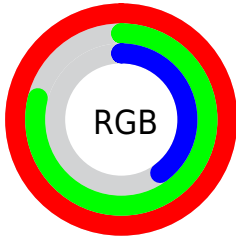
Format	Color
R <sub>Y</sub> B	180, 254, 101
Decimal	16697957
CIE Lab	84.00, 7.58, 56.44
CIE LCh	84, 56.944, 82.355
Yxy	64.0658, 0.4293, 0.4287
Android (android.graphics.Color)	4294888037 (0xFFFECA65)
YUV	206.0340, -51.7818, 42.0662
Hunter-Lab	80.0411, 3.0115, 40.3019

# Details

The CIELCh color **84, 56.944, 82.355** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **64, 56.914, 282.907**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 49.747, 106.373**, and **64, 56.992, 82.240** is the 20% darker color. If you saturate the color by 10%, you get **82, 65.916, 80.776**, and if you desaturate by 10%, it is **86, 47.428, 83.844**.

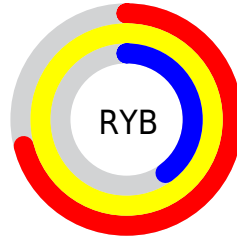
# Distribution



Red (100%)

Green (79%)

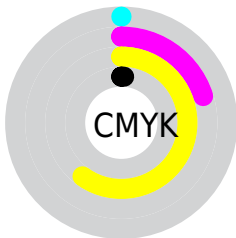
Blue (40%)



Red (71%)

Yellow (100%)

Blue (40%)

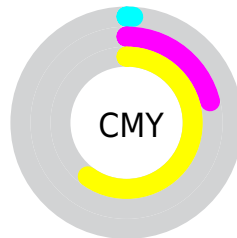


Cyan (0%)

Magenta (20%)

Yellow (60%)

Black (1%)



Cyan (1%)

Magenta (21%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 56.944, 82.355 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 84, 56.944, 82.355 by changing the saturation by 10% instead.



 84, 56.944, 82.355

 84, 56.944, 82.355

 100, 56.944,  
82.355

 74, 56.944, 82.355

 64, 56.944, 82.355

 54, 56.944, 82.355

 44, 56.944, 82.355

 34, 56.944, 82.355

 24, 56.944, 82.355

 14, 56.944, 82.355

 4, 56.944, 82.355

 0, 56.944, 82.355

84, 56.944, 82.355

84, 56.944, 82.355

82, 65.916, 80.776

86, 47.428, 83.844

79, 73.681, 79.012

89, 37.752, 85.272

77, 79.288, 76.908

91, 28.122, 86.656

75, 82.179, 74.412

94, 18.637, 87.996

97, 9.342, 89.284

99, 0.249, 89.395

100, 0.450,  
200.850

# Harmonies

# Complementary

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



84, 56.944, 82.355



64, 56.914, 282.907

# Rectangle

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



84, 56.944, 82.355



84, 56.944, 132.355



84, 56.944, 262.355



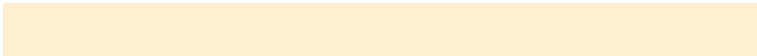
84, 56.944, 312.355

# Sweetspot

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



84, 56.944, 82.359



95, 16.560, 88.296



64, 62.809, 1.459



50, 11.545, 87.914



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



84, 56.944, 82.359



82, 67.630, 80.487



95, 73.885, 111.812



52, 5.178, 89.382



58, 66.456, 74.961



19, 28.011, 77.729





# Inverse Universe

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



64, 56.914, 282.907



58, 69.113, 286.772



53, 87.563, 302.956



50, 5.173, 271.902



33, 78.182, 296.329



8, 31.358, 291.135



# Previews

## White Background



This preview shows how the CIELCh color 84, 56.944, 82.355 looks on a white background.

## Color Contrast Check

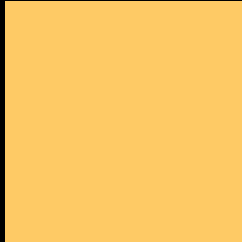
Large Text (above 18pt) WCAG AA × Fail

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 84, 56.944, 82.355 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 84, 56.944, 82.355

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 56.944, 82.355.



This preview shows how white text looks on a background with the CIELCh color 84, 56.944, 82.355.

# 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

84, 56.944, 82.355

### Protanopia

84, 55.234, 95.635

### Deuteranopia

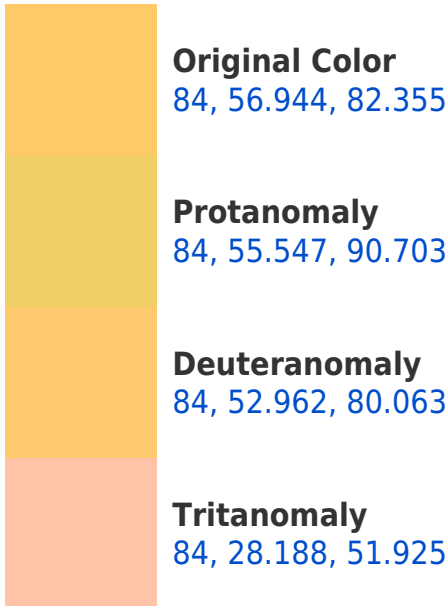
84, 50.725, 79.182



**Tritanopia**  
84, 24.163, 5.115



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 56.944, 82.355 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, 202, 101)` looks like.

```
.text, #text, p{  
    color:rgb(254, 202, 101)  
}
```

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, 202, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 202, 101) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 56.944, 82.355 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, 202, 101) }
```

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

```
.border{ border-color:rgb(254, 202, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 202, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 202, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 202, 101);  
box-shadow:4px 4px 4px 4px rgb(254, 202,  
101) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 56.944, 82.355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 202, 101) }
```

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

```
.background{ background-color: rgb(254,  
202, 101) }
```

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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