

# Converting Colors

CIELCh(88, 76.907, 92.237)

Have a look what the booklet for  
CIELCh(88, 76.907, 92.237) contains.

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# **Color**

**CIELCh(88, 76.886, 92.409)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEDB3C
RGB	254, 219, 60
RGB Percent	100%, 86%, 24%
CMY	0.0039, 0.1411, 0.7646
CMYK	0.00, 0.14, 0.76, 0.00
HSL	49°, 99%, 62%
HSV	49°, 76%, 100%
XYZ	67.0251, 72.0653, 14.6536
YIQ	211.3390, 71.8990, -42.0290

# Conversions

## Conversions Part 2

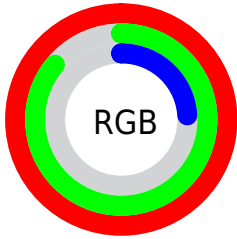
Format	Color
<a href="#">RYB</a>	103, 254, 60
Decimal	16702268
<a href="#">CIELab</a>	88.00, -3.23, 76.82
<a href="#">CIElCh</a>	88, 76.886, 92.409
<a href="#">Yxy</a>	72.0653, 0.4360, 0.4687
<a href="#">Android (android.graphics.Color)</a>	4294892348 (0xFFFEDB3C)
<a href="#">YUV</a>	211.3390, -74.6101, 37.4137
<a href="#">Hunter-Lab</a>	84.8913, -7.6267, 49.1895

# Details

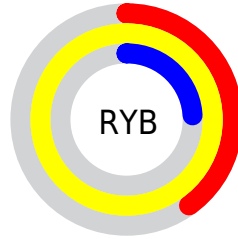
The CIELCh color **88, 76.886, 92.409** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **47, 92.490, 297.156**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 66.170, 105.115**, and **68, 71.039, 92.024** is the 20% darker color. If you saturate the color by 10%, you get **87, 82.548, 91.139**, and if you desaturate by 10%, it is **89, 69.011, 93.647**.

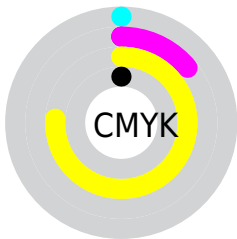
# Distribution



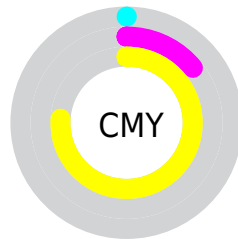
- Red (100%)
- Green (86%)
- Blue (24%)



- Red (40%)
- Yellow (100%)
- Blue (24%)



- Cyan (0%)
- Magenta (14%)
- Yellow (76%)
- Black (0%)



- Cyan (0%)
- Magenta (14%)
- Yellow (76%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 76.886, 92.409 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 88, 76.886, 92.409 by changing the saturation by 10% instead.



 88, 76.886, 92.409

 88, 76.886, 92.409

 100, 76.886,  
92.409

 78, 76.886, 92.409

 68, 76.886, 92.409

 58, 76.886, 92.409

 48, 76.886, 92.409

 38, 76.886, 92.409

 28, 76.886, 92.409

 18, 76.886, 92.409

 8, 76.886, 92.409

 0, 76.886, 92.409

88, 76.886, 92.409

88, 76.886, 92.409

87, 82.548, 91.139

89, 69.011, 93.647

86, 85.327, 89.772

91, 59.712, 94.873

85, 85.841, 89.256

92, 49.596, 96.095

94, 39.057, 97.310

95, 28.330, 98.510

97, 17.554, 99.685

99, 6.804, 100.818

100, 0.345,  
201.306

# Harmonies

# Complementary

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



88, 76.886, 92.409



47, 92.490, 297.156

# Rectangle

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



88, 76.886, 92.409



88, 76.886, 142.409



88, 76.886, 272.409



88, 76.886, 322.409

# Sweetspot

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



88, 76.886, 92.412



96, 24.775, 98.909



57, 77.611, 20.028



51, 17.155, 98.481



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



88, 76.886, 92.412



86, 84.742, 90.383



93, 91.183, 119.202



52, 6.100, 100.470



66, 69.450, 89.520



22, 30.903, 91.399





# Inverse Universe

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



47, 92.490, 297.156



39, 112.755, 301.618



45, 109.706, 308.252



49, 6.179, 282.704



27, 96.397, 303.109



6, 38.354, 298.157



# Previews

## White Background



This preview shows how the CIELCh color 88, 76.886, 92.409 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 88, 76.886, 92.409 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 88, 76.886, 92.409**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 88, 76.886, 92.409.



This preview shows how white text looks on a background with the CIELCh color 88, 76.886, 92.409.

# 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

88, 76.886, 92.409

### Protanopia

88, 76.571, 95.030

### Deuteranopia

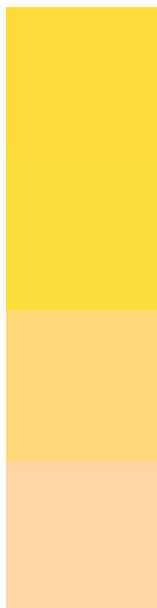
88, 35.098, 79.249



**Tritanopia**  
88, 17.839, 2.137



# Trichromacy



**Original Color**  
88, 76.886, 92.409

**Protanomaly**  
88, 76.459, 94.030

**Deuteranomaly**  
88, 51.943, 87.571

**Tritanomaly**  
88, 31.699, 75.675

# Monochromacy



**Original Color**  
88, 76.886, 92.409

**Achromatopsia**  
85, 0.010, 296.813

**Achromatomaly**  
85, 30.597, 97.781

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 76.886, 92.409 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, 219, 60)` looks like.

```
.text, #text, p{  
    color:rgb(254, 219, 60)  
}
```

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, 219, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 219, 60) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 76.886, 92.409 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, 219, 60) }
```

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

```
.border{ border-color:rgb(254, 219, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 219, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 219, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 219, 60);  
box-shadow:4px 4px 4px 4px rgb(254, 219,  
60) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 76.886, 92.409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 219, 60) }
```

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

```
.background{ background-color: rgb(254,  
219, 60) }
```

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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