

# Converting Colors

CIELCh(85, 38.179, 80.407)

Have a look what the booklet for  
CIELCh(85, 38.179, 80.407) contains.

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# **Color**

**CIELCh(85, 38.371, 80.296)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8CE8D
RGB	248, 206, 141
RGB Percent	97%, 81%, 55%
CMY	0.0275, 0.1922, 0.4471
CMYK	0.00, 0.17, 0.43, 0.03
HSL	36°, 88%, 76%
HSV	36°, 43%, 97%
XYZ	65.5757, 66.0070, 34.4755
YIQ	211.1480, 45.8970, -11.3110

# Conversions

## Conversions Part 2

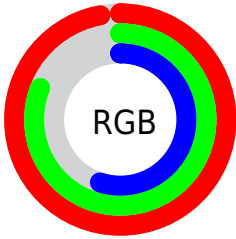
Format	Color
R <sub>Y</sub> B	210, 248, 141
Decimal	16305805
CIE Lab	85.00, 6.47, 37.82
CIE LCh	85, 38.371, 80.296
Yxy	66.0070, 0.3949, 0.3975
Android (android.graphics.Color)	4294495885 (0xFFF8CE8D)
YUV	211.1480, -34.5830, 32.3192
Hunter-Lab	81.2447, 1.8958, 31.7121

# Details

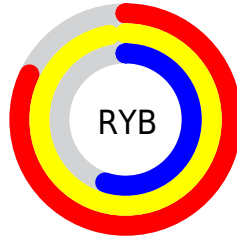
The CIELCh color **85, 38.371, 80.296** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **74, 36.719, 273.860**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 30.226, 107.879**, and **65, 38.321, 80.164** is the 20% darker color. If you saturate the color by 10%, you get **82, 47.768, 78.851**, and if you desaturate by 10%, it is **88, 29.091, 81.705**.

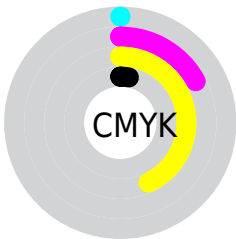
# Distribution



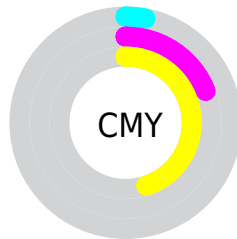
- Red (97%)
- Green (81%)
- Blue (55%)



- Red (82%)
- Yellow (97%)
- Blue (55%)



- Cyan (0%)
- Magenta (17%)
- Yellow (43%)
- Black (3%)



- Cyan (3%)
- Magenta (19%)
- Yellow (45%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 38.371, 80.296 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 85, 38.371, 80.296 by changing the saturation by 10% instead.



 85, 38.371, 80.296

 85, 38.371, 80.296

 100, 38.371,  
80.296

 75, 38.371, 80.296

 65, 38.371, 80.296

 55, 38.371, 80.296

 45, 38.371, 80.296

 35, 38.371, 80.296

 25, 38.371, 80.296

 15, 38.371, 80.296

 5, 38.371, 80.296

 0, 38.371, 80.296

85, 38.371, 80.296

85, 38.371, 80.296

82, 47.768, 78.851

88, 29.091, 81.705

80, 57.072, 77.331

91, 20.022, 83.069

77, 65.876, 75.681

94, 11.202, 84.387

75, 73.460, 73.773

97, 2.635, 85.580

72, 78.806, 71.381

99, 2.316, 204.003

71, 81.069, 69.425

99, 2.434, 199.523

# Harmonies

# Complementary

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



85, 38.371, 80.296



74, 36.719, 273.860

# Rectangle

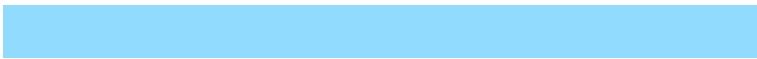
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 38.371, 80.296



85, 38.371, 130.296



85, 38.371, 260.296



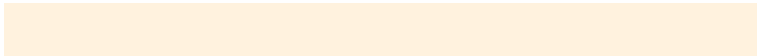
85, 38.371, 310.296

# Sweetspot

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



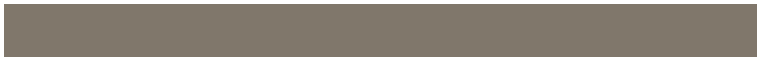
85, 38.371, 80.301



96, 11.327, 84.404



71, 45.731, 354.446



51, 7.953, 84.118



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



85, 38.371, 80.301



85, 47.761, 79.009



95, 53.436, 110.597



51, 4.846, 84.851



55, 65.967, 70.038



17, 26.287, 72.593



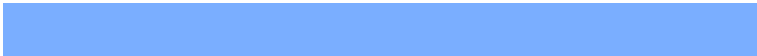


# Inverse Universe

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



74, 36.719, 273.860



71, 45.426, 276.242



64, 59.800, 299.025



49, 4.811, 267.422



35, 70.739, 293.000



9, 27.747, 287.035



# Previews

## White Background



This preview shows how the CIELCh color 85, 38.371, 80.296 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 CIE LCh color 85, 38.371, 80.296 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 85, 38.371, 80.296

## Background



This preview shows how black text looks on a background with the CIELCh color 85, 38.371, 80.296.



This preview shows how white text looks on a background with the CIELCh color 85, 38.371, 80.296.

# 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

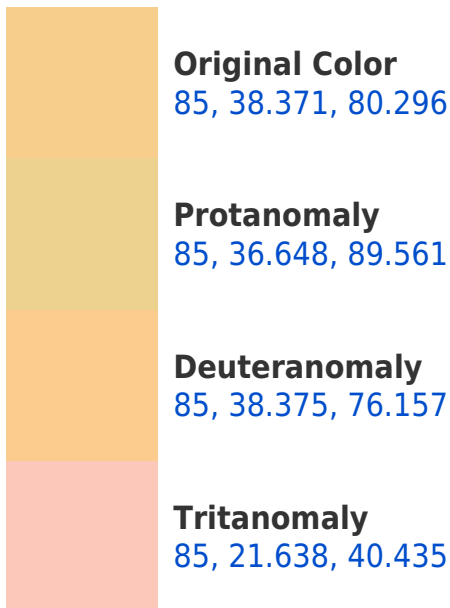




**Tritanopia**  
85, 22.877, 1.299



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 85, 38.371, 80.296 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(248, 206, 141)` looks like.

```
.text, #text, p{  
    color:rgb(248, 206, 141)  
}
```

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(248, 206, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 206, 141) }
```

## Border

The CSS property to change the border of an element to CIELCh 85, 38.371, 80.296 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(248, 206, 141) }
```

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

```
.border{ border-color:rgb(248, 206, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 206, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 206, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 206, 141);  
box-shadow:4px 4px 4px 4px rgb(248, 206,  
141) }
```

# Background

The CSS property to change the background color of an element to CIELCh 85, 38.371, 80.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 206, 141) }
```

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

```
.background{ background-color: rgb(248,  
206, 141) }
```

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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