

# Converting Colors

CIELCh(86, 44.379, 81.165)

Have a look what the booklet for  
CIELCh(86, 44.379, 81.165) contains.

<b>CIELCh(86, 44.207, 80.964)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# **Color**

**CIELCh(86, 44.207, 80.964)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FED084
RGB	254, 208, 132
RGB Percent	100%, 82%, 52%
CMY	0.0031, 0.1835, 0.4816
CMYK	0.00, 0.18, 0.48, 0.00
HSL	37°, 99%, 76%
HSV	37°, 48%, 100%
XYZ	67.7297, 67.9871, 31.4486
YIQ	213.0900, 51.8120, -13.8840

# Conversions

## Conversions Part 2

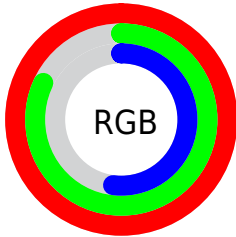
Format	Color
R <sub>Y</sub> B	206, 254, 132
Decimal	16699524
CIE Lab	86.00, 6.94, 43.66
CIE LCh	86, 44.207, 80.964
Yxy	67.9871, 0.4052, 0.4067
Android (android.graphics.Color)	4294889604 (0xFFFE084)
YUV	213.0900, -39.9774, 35.8781
Hunter-Lab	82.4543, 2.3286, 35.1044

# Details

The CIELCh color **86, 44.207, 80.964** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **72, 42.643, 276.442**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 34.689, 107.535**, and **66, 44.106, 81.073** is the 20% darker color. If you saturate the color by 10%, you get **83, 53.783, 79.485**, and if you desaturate by 10%, it is **89, 34.625, 82.397**.

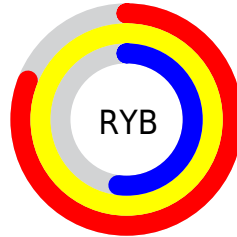
# Distribution



Red (100%)

Green (82%)

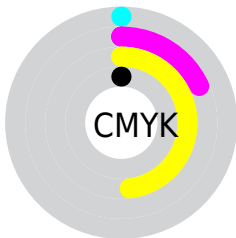
Blue (52%)



Red (81%)

Yellow (100%)

Blue (52%)

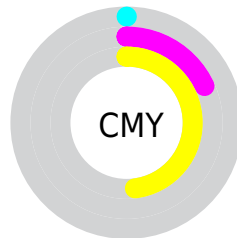


Cyan (0%)

Magenta (18%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (48%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 44.207, 80.964 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 86, 44.207, 80.964 by changing the saturation by 10% instead.



 86, 44.207, 80.964

 86, 44.207, 80.964

 100, 44.207,  
80.964

 76, 44.207, 80.964

 66, 44.207, 80.964

 56, 44.207, 80.964

 46, 44.207, 80.964

 36, 44.207, 80.964

 26, 44.207, 80.964

 16, 44.207, 80.964

 6, 44.207, 80.964

 0, 44.207, 80.964

86, 44.207, 80.964

86, 44.207, 80.964

83, 53.783, 79.485

89, 34.625, 82.397

81, 63.041, 77.908

92, 25.192, 83.783

78, 71.411, 76.155

94, 15.975, 85.126

76, 77.984, 74.060

97, 6.999, 86.409

74, 81.836, 71.396

100, 0.275,  
201.799

73, 82.446, 70.837

# Harmonies

# Complementary

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



86, 44.207, 80.964



72, 42.643, 276.442

# Rectangle

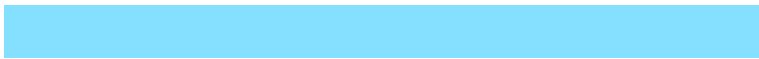
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 44.207, 80.964



86, 44.207, 130.964



86, 44.207, 260.964



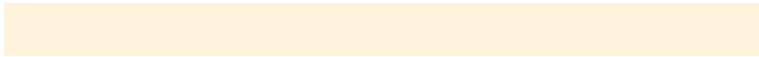
86, 44.207, 310.964

# Sweetspot

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



86, 44.207, 80.968



96, 12.385, 85.649



70, 51.435, 356.424



51, 8.577, 85.368



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



86, 44.207, 80.968



84, 53.918, 79.483



96, 60.287, 110.999



52, 4.997, 86.222



56, 66.521, 71.445



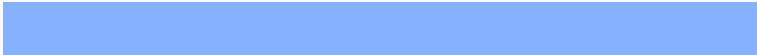
18, 27.586, 74.130





# Inverse Universe

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



72, 42.643, 276.442



67, 51.962, 279.316



62, 68.534, 300.243



50, 4.971, 268.786



35, 73.472, 294.063



9, 29.483, 288.544



# Previews

## White Background



This preview shows how the CIELCh color 86, 44.207, 80.964 looks on a white background.

## Color Contrast Check

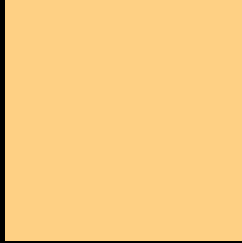
Large Text (above 18pt) WCAG AA × Fail

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 86, 44.207, 80.964 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 86, 44.207, 80.964

## Background



This preview shows how black text looks on a background with the CIELCh color 86, 44.207, 80.964.



This preview shows how white text looks on a background with the CIELCh color 86, 44.207, 80.964.

# 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**

86, 44.207, 80.964

**Protanopia**

86, 42.087, 95.330

**Deuteranopia**

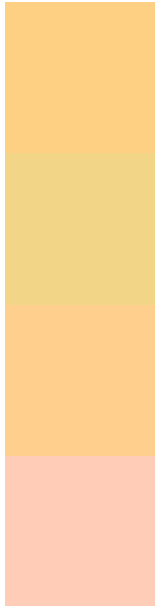
86, 37.355, 75.562



**Tritanopia**  
86, 21.098, 2.404



# Trichromacy



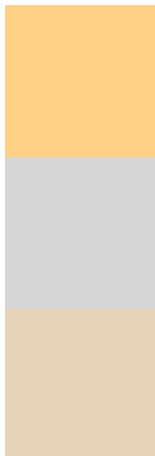
**Original Color**  
86, 44.207, 80.964

**Protanomaly**  
86, 42.642, 90.287

**Deuteranomaly**  
86, 39.620, 77.154

**Tritanomaly**  
86, 22.681, 47.845

# Monochromacy



**Original Color**  
86, 44.207, 80.964

**Achromatopsia**  
85, 0.010, 296.813

**Achromatomaly**  
85, 15.581, 84.143

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 86, 44.207, 80.964 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, 208, 132)` looks like.

```
.text, #text, p{  
    color:rgb(254, 208, 132)  
}
```

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, 208, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 208, 132) }
```

## Border

The CSS property to change the border of an element to CIELCh 86, 44.207, 80.964 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, 208, 132) }
```

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

```
.border{ border-color:rgb(254, 208, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 208, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 208, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 208, 132);  
box-shadow:4px 4px 4px 4px rgb(254, 208,  
132) }
```

# Background

The CSS property to change the background color of an element to CIELCh 86, 44.207, 80.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 208, 132) }
```

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

```
.background{ background-color: rgb(254,  
208, 132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor