

# Converting Colors

CIELCh(86, 52.549, 86.154)

Have a look what the booklet for  
CIELCh(86, 52.549, 86.154) contains.

<b>CIELCh(86, 52.631, 86.095)</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, 52.631, 86.095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCD272
RGB	252, 210, 114
RGB Percent	99%, 82%, 45%
CMY	0.0119, 0.1765, 0.5530
CMYK	0.00, 0.17, 0.55, 0.01
HSL	42°, 96%, 72%
HSV	42°, 55%, 99%
XYZ	66.2131, 67.9871, 25.5459
YIQ	211.6140, 55.8480, -20.9520

# Conversions

## Conversions Part 2

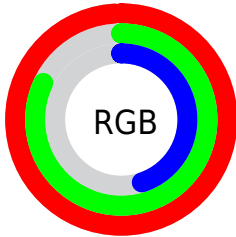
Format	Color
<a href="#">RYB</a>	<a href="#">174, 252, 114</a>
Decimal	<a href="#">16568946</a>
CIELab	<a href="#">86.00, 3.58, 52.51</a>
CIELCh	<a href="#">86, 52.631, 86.095</a>
Yxy	<a href="#">67.9871, 0.4145, 0.4256</a>
Android (android.graphics.Color)	<a href="#">4294759026</a> ( <a href="#">0xFFFC272</a> )
YUV	<a href="#">211.6140, -48.1237, 35.4185</a>
Hunter-Lab	<a href="#">82.4543, -0.9546, 39.3488</a>

# Details

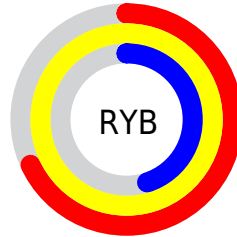
The CIELCh color **86, 52.631, 86.095** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **65, 53.759, 283.793**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 43.504, 106.854**, and **66, 52.763, 86.067** is the 20% darker color. If you saturate the color by 10%, you get **84, 61.892, 84.618**, and if you desaturate by 10%, it is **88, 42.968, 87.518**.

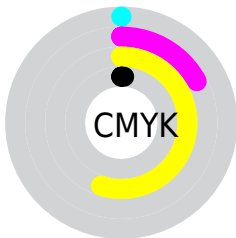
# Distribution



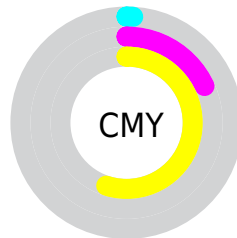
- Red (99%)
- Green (82%)
- Blue (45%)



- Red (68%)
- Yellow (99%)
- Blue (45%)



- Cyan (0%)
- Magenta (17%)
- Yellow (55%)
- Black (1%)



- Cyan (1%)
- Magenta (18%)
- Yellow (55%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 52.631, 86.095 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, 52.631, 86.095 by changing the saturation by 10% instead.



 86, 52.631, 86.095

 86, 52.631, 86.095

 100, 52.631,  
86.095

 76, 52.631, 86.095

 66, 52.631, 86.095

 56, 52.631, 86.095

 46, 52.631, 86.095

 36, 52.631, 86.095

 26, 52.631, 86.095

 16, 52.631, 86.095

 6, 52.631, 86.095

 0, 52.631, 86.095

86, 52.631, 86.095

86, 52.631, 86.095

84, 61.892, 84.618

88, 42.968, 87.518

82, 70.234, 83.030

91, 33.195, 88.894

80, 76.856, 81.241

93, 23.469, 90.229

78, 80.832, 79.095

95, 13.869, 91.520

77, 81.970, 77.830

98, 4.428, 92.735

100, 1.051,  
199.969

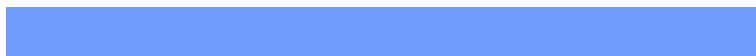
# Harmonies

# Complementary

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



86, 52.631, 86.095



65, 53.759, 283.793

# Rectangle

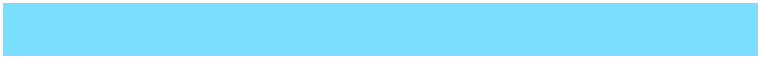
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86, 52.631, 86.095



86, 52.631, 136.095



86, 52.631, 266.095



86, 52.631, 316.095

# Sweetspot

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



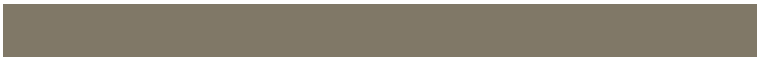
86, 52.631, 86.099



96, 15.192, 91.363



66, 56.806, 2.609



51, 10.276, 91.099



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, 52.631, 86.099



84, 63.594, 84.422



95, 67.918, 113.633



51, 5.276, 92.178



59, 66.009, 78.336



19, 27.368, 81.099





# Inverse Universe

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



65, 53.759, 283.793



59, 66.352, 287.172



57, 78.501, 302.979



49, 5.290, 274.638



31, 81.689, 298.191



7, 31.932, 292.850



# Previews

## White Background



This preview shows how the CIELCh color 86, 52.631, 86.095 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, 52.631, 86.095 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, 52.631, 86.095

## Background



This preview shows how black text looks on a background with the CIELCh color 86, 52.631, 86.095.



This preview shows how white text looks on a background with the CIELCh color 86, 52.631, 86.095.

# 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, 52.631, 86.095

**Protanopia**  
86, 51.380, 95.454

**Deuteranopia**  
86, 39.620, 77.154



**Tritanopia**  
86, 21.098, 2.404



# Trichromacy



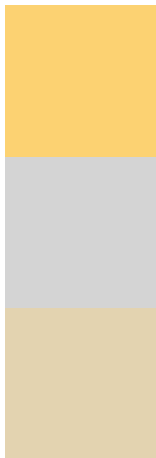
**Original Color**  
86, 52.631, 86.095

**Protanomaly**  
86, 51.668, 92.137

**Deuteranomaly**  
86, 44.207, 80.964

**Tritanomaly**  
86, 24.177, 54.412

# Monochromacy



**Original Color**  
86, 52.631, 86.095

**Achromatopsia**  
85, 0.010, 296.813

**Achromatomaly**  
85, 19.353, 89.816

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 86, 52.631, 86.095 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(252, 210, 114)` looks like.

```
.text, #text, p{  
    color:rgb(252, 210, 114)  
}
```

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(252, 210, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 210, 114) }
```

## Border

The CSS property to change the border of an element to CIELCh 86, 52.631, 86.095 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(252, 210, 114) }
```

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

```
.border{ border-color:rgb(252, 210, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 210, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 210, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 210, 114);  
box-shadow:4px 4px 4px 4px rgb(252, 210,  
114) }
```

# Background

The CSS property to change the background color of an element to CIELCh 86, 52.631, 86.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 210, 114) }
```

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

```
.background{ background-color: rgb(252,  
210, 114) }
```

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